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# ИНИС АТОМИНДЕКС

CUMULATIVE INDEX

**VOLUME 8**

**January-June 1977**

**Part: 2**

**Corporate Entry Index,  
Conference Index,  
Report, Standard and Patent Number Index**



INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA, 1977



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CUMULATIVE INDEX

VOLUME 8  
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RN 291157–RN 294045	Vol.8, No.5
RN 294046–RN 297161	Vol.8, No.6
RN 297162–RN 300071	Vol.8, No.7
RN 300072–RN 302068	Vol.8, No.8
RN 302069–RN 303990	Vol.8, No.9
RN 303991–RN 307692	Vol.8, No.10
RN 307693–RN 311373	Vol.8, No.11
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Additional conservation laws in the Thirring model. 264528  
Particle number conservation in the massive Thirring model. 264527
- Berg, C.J.M. van den**  
Coded aperture imaging and the introduction of the modulated zone plate in nuclear medicine. (CEA–CR–6) 251473  
A refocussing filter based on Fridman's theorem, applied to Tl–201 myocardial scintigrams. (CEA–CR–6) 251497
- Van De Woestijne, K.P.**  
Horizontal gradient in ventilation distribution due to a localized chest wall abnormality. 255646
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Equilibrium studies of the uranyl oxalate system in acidic aqueous solution. 270151

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Fluid bed dryer and Aeropep solidification system. 229118  
Fluid bed dryer and Aeropep solidification system. Amendment 1 to topical report. 220568
- INSA, 69 – Villeurbanne (France)**  
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Non-destructive testing using special techniques. Degree III: engineers. 229087, 229088  
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- 76 Mar 1. Toulouse, France.** International colloquium on solar electricity. 293922.
- 76 Mar 2. Golden, Colorado, USA.** Interagency Mechanical Operations Group meeting. 283257, 284029.
- 76 Mar 9. Dublin, Ireland.** International conference on physics in industry. 297370, 297379, 297384, 297541, 298153, 298173, 298178, 298182, 298205, 298744, 299136, 299319, 299353, 299364, 299477, 299831, 299921, 299944, 300058.
- Glasgow, UK. 76 Apr 7.** Annual Chemical Congress. 287782.
- Goettingen, Germany, F.R. 75 May 26.** 4. German symposium on nuclear law. 290006, 290325, 290329, 290341, 290346, 290349, 290350, 291073, 291075, 291076, 291077, 291078, 291079, 291080, 291081, 291082, 291083, 291084, 291085, 291086, 291087, 291088, 291089, 291090, 291091, 291093, 291094.
- Golden, Colorado, USA. 76 Mar 2.** Interagency Mechanical Operations Group meeting. 283257, 284029.

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### Examples:

**ACTIVATED CARBON: adsorption**  
Noble gas absorption process. (E51; Patent). 225706

**ACTIVATED CARBON: impregnation**  
Retention of gaseous fission products by pure and modified activated carbon. (B13). 243971

**ACTIVATION (RADIO)**  
See **RADIOACTIVATION**

**ACTIVATION ANALYSIS**  
(Includes charged-particle activation analysis and neutron activation analysis.)

**ACTIVATION ANALYSIS**  
Neutron activation analysis. (B11). 232669

Neutron-capture gamma-ray activation analysis. (B11; Method tested on geological and industrial mixture samples). 227466

Precision high-speed neutron activation analysis via very short-lived activities. (B11). 227478

Trace element analysis at the Livermore pool-type reactor using neutron activation techniques. (B11). 224876

100 mg <sup>252</sup>Cf activation analysis facility at the Savannah River Laboratory. (B11). 232671

**ACTIVATION ANALYSIS: accuracy**  
Methodology for high-flux absolute multielement neutron activation analysis - environmental baselines by analysis of tree rings. (B11). 221478

**AGE ESTIMATION**  
See also **ISOTOPE DATING**

**AGE ESTIMATION**  
Radiocarbon ages of ground water as a basis for the determination of safe limits of aquifer exploitation. (B32). 236622

**AGE ESTIMATION: fission tracks**  
Criteria for the occurrence of fission-fragment tracks in crystalline substances. (B31). 244200

**ALLOYS**  
See also more specific entries as listed in the **INIS Thesaurus**.

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Interfacial phenomena in metals and alloys. (B21; Book). 236335

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- Vapor pressure isotope effect in <sup>12</sup>CClF/<sup>13</sup>CClF<sub>3</sub> by cryogenic distillation kinetics. (COO-3127-11) 289381
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- Combined macroscopic and microscopic approach to the fracture of metals. Technical progress report, July 1975 - June 1976. (COO-3084-45) 309807
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- Bureau of Mines, Pittsburgh, Pa. (USA). Eastern Field Operation Center Field and Environmental Activities**  
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- Bureau of Mines, Reno, Nev. (USA). Reno Metallurgy Research Center**  
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- Bureau of Mines, Spokane, Wash. (USA). Spokane Mining Research Center**  
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- Bureau of Mines, Washington, D.C. (USA)**  
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- Bureau of Radiological Health, Rockville, Md. (USA)**  
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- Bureau of Radiological Health, Rockville, Md. (USA). Div. of Biological Effects**  
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- Bureau of Radiological Health, Rockville, Md. (USA). Div. of Training and Medical Applications**  
Radiological health training resources, 1975. (DHEW/FDA - 75-8027) 306235
- Byk-Mallinckrodt Chemische Produkte G.m.b.H., Dietzenbach (Germany, F.R.)**  
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Single tube test facility description for PWR blowdown heat transfer project. Technical report No. 1. (PB - 248319) 306439
- Calhoun County Community Coll., Decatur, Ala. (USA). Dept. of Physics and Geophysical Sciences**  
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- Clermont-Ferrand Univ., 63 (France). Lab. de Biologie Animale**  
See Clermont-Ferrand-2 Univ., 63 - Aubiere (France)
- Clermont-Ferrand Univ., 63 (France). Lab. de Chimie Minérale**  
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- Eidgenossisches Inst. fuer Reaktorforschung, Wuerenlingen (Switzerland)**
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- El Paso Natural Gas Co., Tex. (USA)**
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- Electric Power Research Inst., Palo Alto, Calif. (USA)**
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- Electricite de France, 75 - Paris. Div. du Droit Nucleaire**
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- Emory Univ., Atlanta, Ga. (USA)**
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- Energy Research and Development Administration, Grand Junction, Colo. (USA). Grand Junction Office**
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- Workshop on environmental research for transuranic elements, Seattle, Washington, November 12-14, 1975. (ERDA-76/134) 310124
- Energy Research and Development Administration, Las Vegas, Nev. (USA). Nevada Operations Office**
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- Energy Research and Development Administration, Morgantown, W.Va. (USA). Morgantown Energy Research Center**
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- Energy Research and Development Administration, Washington, D.C. (USA). Div. of Magnetic Fusion Energy**  
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- Energy Research and Development Administration, Washington, D.C. (USA). Office of the Assistant Administrator for Field Operations**  
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- Energy Sciences, Inc., Bedford, Mass. (USA)**  
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- Energy, Inc., Idaho Falls, Idaho (USA)**  
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- Environmental Monitoring and Support Lab., Las Vegas, Nev. (USA)**  
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- Environmental Protection Agency, Cincinnati, Ohio (USA). Environmental Monitoring and Support Lab.**  
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- Environmental Protection Agency, Corvallis, Oreg. (USA). Corvallis Environmental Research Lab.**  
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- Environmental Protection Agency, Dallas, Tex. (USA). Region VI**  
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- Environmental Protection Agency, Las Vegas, Nev. (USA).**  
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- Environmental Protection Agency, Las Vegas, Nev. (USA). Office of Radiation Programs**  
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- Environmental Protection Agency, Washington, D.C. (USA). Effluent Guidelines Div.**  
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- Environmental Protection Agency, Washington, D.C. (USA). Office of Radiation Programs**  
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- Erevanskij Fizicheskij Inst. (USSR)**  
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- European Physical Society, Geneva (Switzerland)**  
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- Exxon Nuclear Co., Richland, Wash. (USA)**  
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- Fachverband fuer Strahlenschutz e.V., Karlsruhe (Germany, F.R.)**  
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- Failure Analysis Associates, Palo Alto, Calif. (USA)**  
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- Fermi National Accelerator Lab., Batavia, Ill. (USA)**  
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- Financial Times Ltd., London (UK)**  
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- Fisk Univ., Nashville, Tenn. (USA). Dept. of Physics**  
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- Flinders Univ. of South Australia, Bedford Park. Inst. for Atomic Studies**  
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- Florida Univ., Gainesville (USA)**  
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- Florida Univ., Gainesville (USA). Dept. of Biochemistry**  
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- Florida Univ., Gainesville (USA). Engineering and Industrial Experiment Station**  
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- Foersvarets Forskningsanstalt, Stockholm (Sweden)**  
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- Frankfurt Univ. (Germany, F.R.). Fachbereich Physik**  
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- GARD, Inc., Niles, Ill. (USA)**  
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- GCA Corp., Bedford, Mass. (USA). GCA Technology Div.**  
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- GDF, 93 - Saint-Denis (France)**  
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- Gebrueder Boehler und Co. A.G., Vienna (Austria)**  
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- General Accounting Office, Washington, D.C. (USA)**  
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- General Atomic Co., San Diego, Calif. (USA)**  
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- 23). (GA-A-14028) 311000  
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**Georgia Inst. of Tech., Atlanta (USA), School of Physics**

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- Hahn-Meitner-Institut fuer Kernforschung Berlin G.m.b.H. (Germany, F.R.)**  
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- Hahn-Meitner-Institut fuer Kernforschung Berlin G.m.b.H. (Germany, F.R.). Bereich Kern- und Strahlenphysik**  
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- Hakuto Co. Ltd., Tokyo (Japan)**  
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- Harvard Coll. Observatory, Cambridge, Mass. (USA)**  
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- Harvard School of Public Health, Boston, Mass. (USA)**  
Management of gaseous radioactive wastes. Progress report, September 1, 1975-September 30, 1976. (COO-3049-7) 297020
- Harvard Univ., Boston, Mass. (USA)**  
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- Harvard Univ., Boston, Mass. (USA). Harvard Air Cleaning Lab.**  
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- Harvard Univ., Cambridge, Mass. (USA). Cyclotron Lab.**  
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Applications of proton radiation to medical problems. Semiannual progress report, 1 Jan-30 Jun 1973. (PB-244155) 283668  
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- Hauptverband der Gewerblichen Berufsgenossenschaften e.V., Bonn (Germany, F.R.)**  
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- Hawker Siddeley Dynamics, Ltd., Hatfield (UK)**  
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- Health and Safety Executive, London (UK)**  
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- Hebrew Univ., Jerusalem (Israel)**  
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One electron transfer redox potentials of free radicals. I. The formation of  $\text{CrO}_2^+$  in the reaction of  $\text{Cr}^{2+} + \text{O}_2$  in aqueous acid solutions. Progress report, September 1, 1975-July 1, 1976. (COO-3221-39) 283177
- Hebrew Univ., Jerusalem (Israel). Dept. of Physical Chemistry**  
Action of radiations on some biological model systems. Technical progress report, 1 October 1975-1 June 1976. (COO-3009-25) 298851  
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One electron reduction of metmyoglobin and methemoglobin and the reaction of the reduced molecule with oxygen. Progress report, September 1, 1975-July 1, 1976. (COO-3221-40) 283178, 286299  
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- Heidelberg Univ. (Germany, F.R.). Medizinische Fakultät**  
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- Heidelberg Univ. (Germany, F.R.). Naturwissenschaftliche Gesamtfakultät**  
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- Helsinki Univ. of Technology, Otaniemi (Finland). Dept. of Technical Physics**  
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- Helsinki Univ. of Technology, Otaniemi (Finland). Reactor Lab.**  
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- Hessisches Ministerium fuer Wirtschaft und Technik, Wiesbaden (Germany, F.R.)**  
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- Hiroshima Univ., Takehara (Japan). Research Inst. for Theoretical Physics**  
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- Hlavní Specializovaná Strojitelství Stanice, Stupice (Czechoslovakia)**  
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- HOEG m.b.H., Wolfgang/Hanau (Germany, F.R.)**  
See Hochttemperatur-Reaktor-Brennelement G.m.b.H. (HOEG), Grossauheim (Germany, F.R.)
- Hochttemperatur-Reaktor-Brennelement G.m.b.H. (HOEG), Hanau (Germany, F.R.)**  
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- Hochttemperatur-Reaktor-Brennelement G.m.b.H. (HOEG), Hanau (Germany, F.R.)**  
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- Hochttemperatur-Reaktorbau G.m.b.H., Koeln (Germany, F.R.)**  
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- Howard Univ., Washington, D.C. (USA)**  
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- Huber (M.), Heimstetten (Germany, F.R.)**  
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- Hulbert (E.O.) Center for Space Research, Washington, D.C. (USA)**  
Final S020 skylab experiment report. (N-75-30986) 304841
- Humboldt-Universität, Berlin (German Democratic Republic).**  
**Mathematisch-Naturwissenschaftliche Fakultät**  
Isothermal annealing of silicon implanted with 50 keV  $^{10}\text{B}$  ions. 288146
- Humboldt-Universität, Berlin (German Democratic Republic). Sektion Physik**  
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Quarterly technical progress report on water reactor safety programs sponsored by the Nuclear Regulatory Commission's Division of Reactor Safety Research, October-December 1975. (ANCR-NUREG-1301) 290227  
RELAP4/MOD5: a computer program for transient thermal-hydraulic analysis of nuclear reactors and related systems. User's manual. Volume II. Program implementation. (ANCR-NUREG-1335(Vol.2)) 293487, 293775, 293776, 296473, 296474, 296507, 306384  
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1975 progress report: Idaho National Engineering Laboratory site radioecology-ecology programs. (IDO-12080) 289825
- IIT Research Inst., Chicago, Ill. (USA)**  
Investigation of space radiation effects in polymeric film-forming materials. Technical report, 12 Jun 1974 - 11 Aug. 1975. (N-76-10973) 306002
- Illinois Inst. of Tech., Chicago (USA)**  
Joint research report for 1974-1975. (COO-2217-16) 293913
- Illinois Univ., Urbana (USA)**  
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- Illinois Univ., Urbana (USA). Aeronomy Lab.**  
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- Illinois Univ., Urbana (USA). Dept. of Chemistry**  
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- Illinois Univ., Urbana (USA). Dept. of Physics**  
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- Imperial Chemical Industries Ltd., London (UK)**  
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- Indiana Univ., Bloomington (USA). Dept. of Astronomy**  
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- Indiana Univ., Bloomington (USA). Dept. of Physics**  
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- Industriedepartementet, Stockholm (Sweden)**  
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- Ingenieurhochschule Zittau (German Democratic Republic). Sektion Kraftwerksanlagenbau und Energiewandlung**  
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- Institut de Soudure, 75 – Paris (France)**  
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- Institut fuer Plasmaphysik G.m.b.H., Munich-Garching (Germany, F.R.)**  
See Max-Planck-Institut fuer Plasmaphysik, Garching/Muenchen (Germany, F.R.)
- Institut fuer Reaktorsicherheit der Technischen Ueberwachungs-Vereine e.V., Koeln (Germany, F.R.)**  
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- Institut National des Sciences et Techniques Nucleaires (INSTN), Centre d'Etudes Nucleaires de Saclay, 91 – Gif-sur-Yvette (France)**  
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- Institut National Polytechnique, 38 – Grenoble (France)**  
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- Institute for Advanced Study, Princeton, N.J. (USA)**  
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- Institute for Cancer Research, Philadelphia, Pa. (USA)**  
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- Institute for Defense Analyses, Arlington, Va. (USA). Science and Technology Div.**  
Impacts of climatic change on the biosphere. CIAP monograph 5. Part 1. Ultraviolet radiation effects (Chapters 4 through 10). Final report. (PB-247725) 296508  
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- Institute of Nuclear Research, Warsaw (Poland)**  
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- Institute of Physical and Chemical Research, Wako, Saitama (Japan)**  
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Colloquium on CCTV in difficult environments. Organised by Professional Group E14 (Television and sound), Monday 19 March 1976. Digest no. 1976/23. 287682  
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- Institution of Mechanical Engineers, London (UK)**  
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- International Nuclear Law Association (INLA), Brussels (Belgium)**  
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- International Union of Crystallography, Groningen (Netherlands)**  
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- International Union of Pure and Applied Chemistry, Oxford (UK)**  
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- International Union of Pure and Applied Physics, London (UK)**  
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- Internationale Atomreaktorbau G.m.b.H. (INTERATOM), Bergisch Gladbach (Germany, F.R.)**  
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- Interuniversitair Reactor Instituut, Delft (Netherlands)**  
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- Ioannina Univ. (Greece)**  
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- Iowa State Univ. of Science and Technology, Ames (USA)**  
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- Iowa State Univ. of Science and Technology, Ames (USA). Engineering Research Inst.**  
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- Iowa Univ., Iowa City (USA)**  
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- Iowa Univ., Iowa City (USA), Dept. of Chemistry**  
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- Iowa Univ., Iowa City (USA), Dept. of Physics and Astronomy**  
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- Iron and Steel Inst. of Japan, Tokyo**  
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- IRSID, 78 - Saint-Germain-en-Laye (France)**  
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- Ishikawajima-Harima Heavy Industries Co. Ltd., Tokyo (Japan)**  
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- Istituto Nazionale di Fisica Nucleare, Pavia (Italy)**  
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- ITT Industries, Inc., New York (USA)**  
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- Ivanovskij Khimiko-Tekhnologicheskij Inst. (USSR)**  
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- Jackson Lab., Bar Harbor, Maine (USA)**  
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Improved mutagen-testing systems in mice. Progress report, 1 June 1975-31 May 1976. (COO-3267-11) 296175
- Japan Atomic Energy Research Inst., Tokyo**  
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Annual report of the Osaka Laboratory for Radiation Chemistry, Japan Atomic Energy Research Institute (No. 8). (JAERI-M-6260) 280776  
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- Kabel und Lackdrahtfabriken G.m.b.H., Mannheim (Germany, F.R.)**
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- Kaman Sciences Corp., Colorado Springs, Colo. (USA)**
- Analysis of effect of human interactions on HTGR safety and reliability. Final report. (KSC-1037-2) 299161
- Development of a neutron logging tool for uranium exploration. (GIBX-18(76)) 310144
- Thermal calculations in shale. (Y/OWI/SUB-76/16502) 307553
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- Kanagawa Prefecture (Japan)**
- Process for preparing technetium 99m. (Japanese patent document 1975-3479/B/) 280733
- Kansai Paint Co. Ltd., Osaka (Japan)**
- Unsaturated polyester resin composition curable with ionizing radiations. (Japanese patent document 1975-10627/B.) 283976
- Kansas State Univ., Manhattan (USA)**
- Delayed neutron yield calculations for the neutron induced fission of  $^{235}\text{U}$  as a function of the incident neutron energy. 288865
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- Kansas State Univ., Manhattan (USA). Dept. of Chemistry**
- Experimental investigation of the chemistry of excited states of rare gases. Technical progress report, October 15, 1975 - July 15, 1976. (C'OO-2807-3) 295377
- Kansas State Univ., Manhattan (USA). Dept. of Physics**
- Heavy ion lecture series, Kansas State University, 1972 - 1973. Volume II. (TID-27031) 294773



## Kansas Univ., Kansas City (USA). Medical Center

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## Kansas Univ., Lawrence (USA)

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## Karl Marx Universität, Leipzig (German Democratic Republic).

## Sektion Physik

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## Karlova Univerzita, Prague (Czechoslovakia). Přírodovědecká Fakulta

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## Geowissenschaften

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## Karlsruhe Univ. (TH) (Germany, F.R.). Fakultät fuer Chemie

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## Kent State Univ., Ohio (USA). Dept. of Physics

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## Kernforschungsanlage Juelich G.m.b.H. (Germany, F.R.)

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An apparatus to carry out chlorination reactions (German (F.R.) patent document 2262881 C.) 298501

Device for continuous separation of particles from a liquid and for inserting the particles into a second liquid (German (F.R.) patent document 244043 A.) 301056

Device for splitting a narrow-band beam of rays leaving a monochromator (German (F.R.) patent document 225422 C.) 300000

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(F.R.) patent document 2345430/A) 289822

Matrix of algae, method of fabrication of the matrix, and method of uranium extraction from sea water by means of this matrix.

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Method and device for fragmentation of nuclear fuel elements

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Method to separate ionized substances with special chemical or physical characteristics from an aqueous solution. (German (F.R.) patent document 2326224/B) 286229

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Radiation diaphragm with continuously variable aperture. (German (F.R.) patent document 2431115/B) 293567

A system for the cooling of structure materials of a reactor core and for the after heat removal. (German (F.R.) patent document 2160507/B) 287527

System for the liquid-liquid extraction of radioactive fluids. (German (F.R.) patent document 2353233/B) 298398

Temperature measuring device. (German (F.R.) patent document 2320751/A) 287691

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## Kernforschungsanlage Juelich G.m.b.H. (Germany, F.R.). Inst. fuer

## Chemie

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## Kernforschungsanlage Juelich G.m.b.H. (Germany, F.R.). Inst. fuer

## Chemische Technologie

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**La Metallurgie Francaise des Poudres, 75 - Paris 4**  
See CEA Centre d'Etudes Nucleaires de Fontenay-aux-Roses, 92 (France). Dept. de Chimie Appliquee  
**La Radiotechnique Compelec (RTC), 92 - Suresnes (France)**  
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**Laboratoire de l'Accelérateur Lineaire, 91 - Orsay (France)**  
See Paris-11 Univ., 91 - Orsay (France). Lab. de l'Accelérateur Lineaire  
**Laboratoire Rene Bernas, 91 - Orsay (France)**  
See Paris-11 Univ., 91 - Orsay (France). Centre de Spectrometrie Nucleaire et de Spectrometrie de Masse  
**Laboratoires Andre Guerbet, Aulnay-sous-Bois (France)**  
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**Laboratoires d'Electronique et de Physique Appliquee (LEP), 94 - Limeil-Brevannes (France)**  
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**Lehigh Univ., Bethlehem, Pa. (USA)**  
ESR study in radiation damage in pyrimidines. 3-year comprehensive progress report. (COO-2367-05) 283148  
ESR study of radiation damage in pyrimidines. Progress report, August 1, 1975 - April 1, 1976. (COO-2367-06) 283149  
Study of multiparticle jet production using calorimeters. Progress report, March 1, 1976 - February 28, 1977. (COO-2894-06) 311973  
**Leiden Rijksuniversiteit (Netherlands)**  
See Rijksuniversiteit Leiden (Netherlands)  
**Leipzig Univ. (German Democratic Republic). Physikalisches Inst.**  
See Karl-Marx-Universitaet, Leipzig (German Democratic Republic). Section Physik  
**Leybold-Heraeus G.m.b.H. und Co. K.G., Koeln (Germany, F.R.)**  
Device for the irradiation of flowable products. (German (F.R.) patent document 2434504/A/) 293619  
**Licentia Patent-Verwaltungs-G.m.b.H., Frankfurt am Main (Germany, F.R.)**  
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**Limoges Univ., 87 (France). Lab. de Thermodynamique**  
See Limoges Univ., 87 (France)  
**Lincoln Univ., Pa. (USA)**  
Tunneling in proton transfer reactions in solution. Final report. (COO-3313-1) 292494  
**Linde A.G., Wiesbaden (Germany, F.R.)**  
Cooling system with a coolant circuit. (German (F.R.) patent document 2340702/A/) 285311  
**Little (Arthur D.), Inc., Cambridge, Mass. (USA)**  
Feasibility investigations of growing and characterizing gallium arsenide crystals in ribbon form. Quarterly progress report 1 Jan-31 Mar 1975. (PB-252358) 298652  
Gas cooled reactor assessment. Appendices to Volume III. Final report, February 9, 1976 - June 30, 1976. (TID-27154/3(App.)) 293840  
Gas cooled reactor assessment. Volume I. Final report, February 9, 1976 - June 30, 1976. (TID-27154/1) 293839  
Gas cooled reactor assessment. Volume III. Final report, February 9, 1976 - June 30, 1976. (TID-27154/3) 296859  
A superfluid helium system for an lsr experiment. Final report, Feb. 1974 - Jun. 1975. (N-76-13311) 306716  
**Lockheed Missiles and Space Co., Palo Alto, Calif. (USA)**  
Analysis of satellite data on energetic particles of ionospheric origin. Quarterly progress report, period ending 23 Sep. 1975. (N-76-13678) 306144  
Coordinated analysis of data. Final progress report. (N-75-25359) 306135  
**Lockheed Missiles and Space Co., Palo Alto, Calif. (USA). Space Sciences Lab.**  
A correlative study of simultaneously measured He/sup+ + / fluxes in the solar wind and in the magnetosphere utilizing Imp-1 and 1971-089A satellite data. Final report. (N-76-14008) 304809  
**Lockheed Missiles and Space Co., Sunnyvale, Calif. (USA). Research and Development Div.**  
Skylab m518 multipurpose furnace convection analysis. Final report. (N-76-11882) 298519  
**Los Alamos Scientific Lab., N.Mex. (USA)**  
<sup>57</sup>Fe impurity atom lattice dynamics and systematics in group V and VI host metals. (LA-UR-76-2065) 309929  
At tuneup procedure for the LAMPF 805-MHz linac. (LA-6374-MS) 290479  
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Advanced fast reactor fuels program. First annual report, FY 1975, July 1, 1974 - June 30, 1975. (LA-6353-PR) 284204  
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- Reactions of ions with atomic and molecular free radicals. Progress report, May 1, 1975 - April 30, 1976. (COO-2640-1) 282132
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**Mississippi Univ., University (USA). Dept. of Chemistry**

- Radiation chemistry of plastic crystals. Annual progress report, November 1, 1975 - October 31, 1976. (ORO-3781-13) 309583

**Missouri Univ., Columbia (USA)**

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- Nuclear power plants technology. Proceeding of the workshop on nuclear power plants technology held by the National Atomic Energy Agency and the Ministry of Public Works and Electric Power, at Jakarta, 25-27 March 1974. (INIS-mf-3239) 299940
- Nuclear power plants technology. Proceedings of the workshop on nuclear power plants technology held by the National Atomic Energy Agency and the Ministry of Public Works and Electric Power, at Jakarta, 25-27 March 1974. (INIS-mf-3239) 299241, 299654, 299672, 299681, 299686, 299802, 299917, 301392, 301803, 301833, 301844, 302012
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- Alkali oxide-tantalum, niobium and antimony oxide ionic conductors. Final report, 1 Jan-31 Dec 1974. (N-75-31909) 298668
- Catalog of NBS standard reference materials, 1975-76 edition. Special pub. (COM-75-10943) 289105
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- National Geophysical and Solar-Terrestrial Data Center, Boulder, Colo. (USA)**  
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- National Inst. of Radiological Sciences, Chiba (Japan)**  
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H-alpha synoptic charts of solar activity during the first year of Solar Cycle 20, October 1964-August 1965. (N-75-32996) 304750
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- Seismic detection. Part II. Nuclear events. Volume III. 1975 (a bibliography with abstracts). Report for 1975 - Feb 1976. 299463
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**North Dakota Univ., Grand Forks (USA). Dept. of Geology**

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**North Dakota Water Resources Research Inst., Fargo (USA)**

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**Northwestern Univ., Evanston, Ill. (USA). Dept. of Chemical Engineering**

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**Northwestern Univ., Evanston, Ill. (USA). Technological Inst.**

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- Thermodynamic properties of bulk and occluded supercooled water and ionic solutions. Technical report, 1 Jul 1972-30 Dec 1975. (PB-251543) 305585
- Purdue Univ., Lafayette, Ind. (USA). Dept. of Physics**
- Annual report, 1 October 1975-31 August 1976. (COO-1428-437) 294755
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- Purdue Univ., Lafayette, Ind. (USA). Water Resources Research Center**
- Thermodynamic properties of bulk and occluded supercooled water and ionic solutions. Technical report, 1 Jul 1972-30 Dec 1975. (PB-251543) 305585
- Q-Dot Corp., Dallas, Tex. (USA)**
- Heat transfer system and method of production. (German (F.R.) patent document 2338660/A/) 281525
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- Ion beam probe plasma diagnostic system. Annual progress report, 1 February 1975-31 January 1976. RPDL report No. 76-1. (COO-2229-24) 294400
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- Currents density measurements with an ion beam probe. (COO-2229-14) 294349

**Rensselaer Polytechnic Inst., Troy, N.Y. (USA). Dept. of Geology**

- Fission- and alpha-track study of biogeochemistry of plutonium and uranium in carbonates of Bikini and Eniwetok atolls. Progress report, January 1, 1976-December 31, 1976. (COO-3462-13) 298726

**Rensselaer Polytechnic Inst., Troy, N.Y. (USA). Dept. of Materials Engineering**

- Pitting and stress corrosion cracking behavior of austenitic stainless steel weldments containing retained ferrite. Technical progress report No. 2, June 1, 1975-May 31, 1976. (COO-2462-2) 289485

**Rensselaer Polytechnic Inst., Troy, N.Y. (USA). Plasma Dynamics Lab.**

- Study of a Kelvin-Helmholtz instability using an ion beam probe. (COO-2229-13) 291447

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- Rochester Univ., N.Y. (USA). Dept. of Chemistry**  
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- Roehm G.m.b.H., Darmstadt (Germany, F.R.)**  
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- Saint Mary's Hospital, Grand Junction, Colo. (USA). Dept. of Pathology**  
Uranium miner lung cancer study. Progress report, July 1, 1975-July 1, 1976. (COO-1826-35) 310428
- Saint-Gobain - Techniques Nouvelles, 92 - Courbevoie (France)**  
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- Santa Clara Univ., Calif. (USA). Dept. of Physics**
- Properties of the Moon and its environment from lunar magnetometer measurements. Semiannual progress report, 1 Sep. 1975-29 Feb. 1976. (N-76-21104) 304779
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- Sloan-Kettering Inst. for Cancer Research, New York (USA)**  
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**Texas Agricultural and Mechanical Univ., College Station (USA). Dept. of Oceanography**

Proceedings of a workshop on environmental oceanography of the Gulf of Mexico, College Station, Texas, 15-16 March 1976. (ORO-5017 1) 312830

**Texas Agricultural and Mechanical Univ., College Station (USA). Research Foundation**

Hot atom reactions involving multivalent and univalent species. Progress report, February 1976-January 1977. (ORO-3898 29) 312254

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- Texas Univ., Houston (USA), Dept. of Physics**  
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**TRW Systems, Redondo Beach, Calif. (USA). Space Sciences Lab.**

Study of relation between PC 3 micropulsations and magnetosheath fluctuations, and multisatellite investigation of earth's bow shock. Final report, 1 Sep. 1974 - 3 Aug. 1975. (N - 76-13679) 306118

**TRW, Inc., Redondo Beach, Calif. (USA)**

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**Tsentral'nyj Inst. Nauchno-Tekhnicheskij Informatsii i Tekhniko-Ekonomicheskikh Issledovanij po Khimicheskomu i Neftyanomu Mashinostroyeniyu, Moscow (USSR)**

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**UKAEA Reactor Group, Risley**

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- Nuclear accident dosimetry - report on the fourth IAEA intercomparison experiment at Harwell, UK - 7th-8th April 1975: Part 2 - Systems used by participants at the experiment. (AERE-R-8521) 301464, 301465
- Nuclear accident dosimetry. Revision of emergency data sheets.

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**Ultra-Centrifuge Nederland N.V., The Hague**

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**Union Carbide Corp., Oak Ridge, Tenn. (USA), Nuclear Div.**

- Oak Ridge waste management programs: geologic isolation and actinide partitioning. (CONF-761014-2) 290970

**Union Carbide Corp., Oak Ridge, Tenn. (USA), Office of Waste Isolation**

- Answers to questions posed by the Michigan Governor's Nuclear Waste Disposal Task Force. (Y/OWI/TM-4(Rev.)) 297054
- Geologic report of the Maquoketa Shale, New Albany Shale, and Borden Group rocks in the Illinois Basin as potential solid waste repository sites. (Y/OWI/SUB-7062/1) 311252
- National Waste Terminal Storage Program prospective participants conference, May 11, 1976, Oak Ridge, Tennessee. (Y/OWI-4(Rev.)) 293992
- National Waste Terminal Storage Program. Progress report, April 1, 1975 - September 30, 1976. (Y/OWI/TM-8) 311261
- National Waste Terminal Storage Program, planning and control system manual. (Y/OWI/SUB-76/16513) 311262



**Union Carbide Corp., Oak Ridge, Tenn. (USA). Y-12 Plant**

See Oak Ridge Y-12 Plant, Tenn. (USA)

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**United Engineers and Constructors, Inc., Philadelphia, Pa. (USA)**

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**United Nuclear Industries, Inc., Richland, Wash. (USA)**

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United Reprocessors G.m.b.H., Karlsruhe (Germany, F.R.)

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**Universidade Estadual de Campinas (Brazil). Instituto de Fisica**

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**Universitaet des Saarlandes, Saarbruecken (Germany, F.R.). Mathematisch-Naturwissenschaftliche Fakultae**

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- 75 **Feb 11. Oslo, Norway.** Nuclear power - should we have doubts - what do the experts think. 310977.
- 75 **Feb 12. Kalpakam, India.** National symposium on thermoluminescence and its applications. 291358, 292351, 292421, 293036, 293037, 293045, 293047, 293064, 293073, 293074, 293076, 293077, 293078, 293079, 293080, 293084, 293085, 293086, 293087, 293088, 293089, 293094, 293116, 293127, 293208, 293211, 293520, 293534, 293538, 293539, 293542, 293543, 293873, 293874, 293898, 293906, 293915, 293918, 293923, 293924, 293935, 296577.
- 75 **Feb 12. Tel Aviv, Israel.** 1975 Annual Meeting of the Israel Physical Society. 280011, 280140, 280178, 282171, 282305.
- 75 **Feb 25. Bristol, UK.** RPG symposium on reinforced plastics in electrical and electronic applications. 296712.
- 75 **Feb 28. Chiba, Japan.** 2. NIRS seminar. 306081, 306088, 306090, 306095, 306255, 306278, 306470, 306472, 306552, 306573, 306618, 306622, 312230, 312559.
- 75 **Mar 2. Meribel-les-Allues, France.** 10. Moriond meeting. 300092.
- 75 **Mar 5. London, UK.** International conference on uranium isotope separation. 282825, 282832, 282865, 282893, 283103, 283904, 283905, 283908, 283909, 283910, 283912, 283913, 283916, 283917, 283918, 283919, 283920, 283921, 283924, 283925, 283926, 283927, 283928, 283929, 283930, 283937, 284172, 284419, 284423, 284424, 284426.
- 75 **Mar 11. Tokyo, Japan.** 1975 annual conference of the Japan Atomic Industrial Forum. 295590, 296602, 301792, 301835, 301840, 301870, 302020, 307138.
- 75 **Mar 13. Tokai, Japan.** Symposium on intense pulsed neutron sources in Japan. 288079, 288081, 288289, 289417, 290489, 290495, 290501, 290506, 290507, 290520, 290559, 290592, 290600, 290607, 290862, 290954.
- 75 **Mar 18. Oxford, UK.** Symposium on archaeometry and archaeological prospecting. 305577.
- 75 **Mar 22. Cairo, Egypt.** 1. conference on nuclear sciences and applications. 288302.
- 75 **Mar 25. Prague, Czechoslovakia.** Seminar on measurement techniques sponsored by Special committee for fast reactors fluid dynamics and heat transfer. 287187, 287193, 287542, 287686, 287687, 287694, 287705, 287708, 287709, 287710, 287711, 287716, 287718, 287721, 287722, 287723, 287726, 287732, 287733, 287739, 287740, 287742, 287743, 287744, 287745.
- 75 **Apr. Kiev, Ukrainian SSR.** 3. all-union seminar on sintered structure materials. 292649, 292965, 292970, 292975, 292976, 292984, 292997, 292998, 293004, 303065.
- 75 **Apr. Manchester, UK.** Ion implantation and ion beam analysis techniques in corrosion. 286336, 286337, 292637, 292641, 292642, 292655.
- 75 **Apr 2. Utrecht, Netherlands.** 16. Federatie vergadering. 292554, 292559, 292565, 292572, 292575, 292578, 292579, 293183, 293200, 293209, 293249, 293311, 293320, 293323, 293339, 293399, 293414, 293418, 293419, 293422, 293881.
- 75 **Apr 5. Paris, France.** O.C.D.E. Special meeting on decision for nuclear accident situation. 303239.
- 75 **Apr 6. Atlanta, Georgia USA.** American Laryngological Association meeting. 290001.
- 75 **Apr 6. Philadelphia, Pennsylvania, USA.** 169. national meeting, American Chemical Society. 289392.
- 75 **Apr 7. Brno, Czechoslovakia.** Symposium on radiation sterilization of drugs. 312758, 312759, 312764, 312765, 312766, 312767, 312769, 312770, 312771, 312772, 312773, 312775, 312782, 312783, 312784, 312786, 312788, 312790, 312793, 312794, 312796, 312797, 312798, 312802, 312803, 312809, 312812, 312813, 312814, 312815, 312821, 312822, 312823, 312824, 312825, 312827, 312828.
- 75 **Apr 7. Denver, Colorado, USA.** SPE-AIME Rocky Mountain regional meeting. 293582.
- 75 **Apr 7. Gatlinburg, Tennessee, USA.** Conference on the biology of radiation carcinogenesis. 310247, 310249, 310252, 310254, 310263, 310264, 310267, 310271, 310272, 310276, 310277, 310286, 310321, 310323, 310328, 310329, 310337, 310342, 310351, 310352, 310359, 310376, 310379, 310401.
- 75 **Apr 8. Nuremberg, Germany, F.R.** Reactor congress. 284185, 293715.
- 75 **Apr 14. Innsbruck, Austria.** IAEA symposium on reliability of nuclear power plants. 307001.
- 75 **Apr 14. Karlsruhe, Germany, F.R.** Educational seminar on the uses of californium-252 in teaching and research. 300669, 300690, 300735, 301531, 301584, 302657, 302878, 303146, 303149, 303151, 303296, 303331, 303332, 303336, 303340, 303344, 303345, 303764, 303968, 303978, 306164, 310425, 310692.
- 75 **Apr 14. Vatican.** Study week at the Pontifical Academy of Sciences. 313590.
- 75 **Apr 15. Grenoble, France.** 9. Congress on the control of ionizing radiation. 287626.
- 75 **Apr 16. Syracuse, New York, USA.** 7. National agricultural waste management conference. 299193.
- 75 **Apr 17. San Juan, Puerto Rico.** Workshop on reconstruction tomography in diagnostic radiology in nuclear medicine. 284357.
- 75 **Apr 21. Chicago, Illinois, USA.** Annual American power conference. 299987, 299992.
- 75 **Apr 21. Dobra, Czechoslovakia.** CMEA symposium on application of radioisotopic methods in metallurgy. 310071.
- 75 **Apr 21. Paris, France.** European nuclear conference on nuclear energy maturity. 281388, 281398, 281734, 281766, 281780, 281794, 283855, 287500, 287554, 287559, 287760, 287765, 287766, 289494, 290800, 298700, 299281, 299283, 299284, 299287, 299289, 299291, 299292, 299293, 299295, 299296, 299297, 299298, 299305, 299697, 299760, 299764, 299770, 299771, 299772, 299774, 299782, 299945, 299946, 299952, 299953, 299955, 299961, 299968.
- 75 **Apr 27. Marianske Lazne, Czechoslovakia.** 8. radiochemical conference. 280614, 280625, 280662, 280682, 282251, 282675, 282679, 282705, 282733, 282743, 282777, 282808, 282816, 282829, 282830, 282839, 282848, 282854, 282864, 282873, 282878, 282881, 282883, 282902, 282920, 282931, 282934, 282941, 282946, 282956, 282960, 282961, 282980, 282982, 283005, 283006, 283007, 283022, 283023, 283024, 283036, 283038, 283041, 283051, 283060, 283076, 283095, 283097, 283099, 283101, 283105, 283110, 283111, 283112, 283114, 283116, 283117, 283121, 283129, 283130, 283133, 283135, 283139, 283144, 283145, 283167, 283168, 283169, 283186, 283187, 283188, 283192, 283208, 283211, 283420, 283489, 283734, 285778, 285919, 285929, 285930, 285932, 285941, 285987, 286034, 286035, 286039, 286044, 286059, 286087, 286109, 286125, 286190, 286202, 286206, 286225, 286250, 286252, 286261, 286264, 286267, 286269, 286271, 286318, 286341, 286878, 287152, 287155, 287654, 287669, 287762, 289402, 289463, 292217, 292530, 293626, 295350.
- 75 **Apr 28. Bandung, Indonesia.** Workshop on nuclear instrumentation and radiation measurement methods. 296565, 296824, 296955, 296979, 296988, 301948.
- 75 **Apr 28. Berlin, Germany, F.R.** 6. scientific meeting of the Deutsche Gesellschaft fuer Medizinische Physik. 306161, 306212, 306338, 306356, 306613, 306647, 306654, 306656, 307379, 307382, 307397, 307399, 307409, 307424, 307430, 307453, 307454, 307455, 307461, 307462, 307476.
- 75 **Apr 28. Zvikov, Czechoslovakia.** 8. Czechoslovak seminar on plasma physics and technology. 282147, 282173, 282338, 282355, 282370, 282372, 282378, 282380, 282381, 282392, 282394, 282402, 282403, 282413, 282419, 282445, 282465, 285008.
- 75 **Apr 29. Fontenay-aux-Roses, France.** 2. Seminar on radiobiology. 281203, 281220, 281266, 282016, 293251, 293291, 294014, 294020, 298892, 298900, 298907, 298969, 299249, 299259, 299326, 301186.
- 75 **May. Dresden, German Democratic Republic.** 3. symposium on problems of electrochemical corrosion and passivation. 290401.
- 75 **May. Erlangen, Germany, F.R.** Meeting of the Schutzkommission beim Bundesministerium des Innern. 310243, 310336, 310349, 310365, 310367, 310409, 310597, 310785, 310792, 310794, 311174.
- 75 **May. Philadelphia, Pennsylvania, USA.** Spallation nuclear reactions and their applications to astrophysics and radiotherapy. 302361, 302396, 302664, 302673, 302781, 302782, 302827, 302852, 303123.
- 75 **May. San Juan, Puerto Rico.** Annual meeting of the American Radium Society. 289913, 290023, 293296.
- 75 **May 5. Hahnenklee, Germany, F.R.** 3. research co-ordination meeting of the seed protein improvement programme. 299084, 299086, 299088, 299089, 299091, 299092, 299093, 299094, 299095, 299097, 299099, 299100, 299102, 299103, 299104, 299105, 299109, 299110, 301238, 301239, 301240, 301241, 301242, 301243, 301245, 301248, 306325, 310475, 310476, 310477, 310478, 310481.
- 75 **May 5. Teheran, Iran.** International congress on energy and petrochemistry. 293998.
- 75 **May 5. Visegrad, Hungary.** 8. symposium on autoradiography. 300773, 300788.



- 75 May 6. **Las Vegas, Nevada, USA.** Information meeting of the applied ecology group. 289901.
- 75 May 7. **Bombay, India.** Symposium on surface instrumentation. 287702, 287703, 287704, 287707, 287727, 287728, 287730, 287731, 287746, 290943.
- 75 May 8. **Berkeley, California, USA.** Mechanisms for solar type III radio bursts. 285017, 285059, 285060, 285072, 285118, 285127, 285128, 285153, 285172, 285173, 285174, 285189, 285206, 285219, 285263, 285266, 285268.
- 75 May 11. **Gatlinburg, Tennessee, USA.** 2. ANS symposium on training of nuclear facility personnel. 284139.
- 75 May 12. **Dresden, German Democratic Republic.** Meeting on nuclear analytical methods. 282701, 286367, 300762, 300763, 300771, 300772, 300778, 300784, 300791, 300815, 302872, 309480, 309496, 309504, 309505, 309516, 309533, 309609, 309650, 311167, 311176, 311226, 311239, 311357, 311359.
- 75 May 12. **Saclay, France.** Rencontre de Saclay. Mesonic effects in nuclei. 280333.
- 75 May 13. **Copenhagen, Denmark.** 6. International symposium on the biological characterization of human tumours. 293245, 293291, 293299.
- 75 May 14. **Ann Arbor, Michigan, USA.** IEEE international conference on plasma science. 291447, 294349.
- 75 May 19. **Big Bear Solar Observatory, California, USA.** The solar constant and the Earth's atmosphere. 285298.
- 75 May 19. **Syracuse, New York, USA.** 8. cellulose conference. 295526.
- 75 May 20. **Nuremberg, Germany, F.R.** General meeting of the Deutsche Gesellschaft fuer Metallkunde. 312312.
- 75 May 20. **Tallinn, USSR.** 1. republican conference of young scientists-chemists. 302883, 302898, 302903, 302904, 302907, 302908, 302909, 302910, 302912, 302917, 302918, 302930, 302931, 302932, 302933, 302934, 302935, 302936, 303304, 303358, 305695.
- 75 May 21. **Trieste, Italy.** International seminar course on complex analysis and its applications. 297114, 297117, 297119, 297120, 297121, 297122, 297123, 297124, 297125, 297130, 297132, 297135, 300028, 300029, 300030, 300035.
- 75 May 22. **Holmbury, UK.** Symposium on the techniques of solar and cosmic X-ray spectroscopy. 285286, 287591, 287597, 287601, 287610, 287614, 287615, 287616, 287629, 287641, 287646, 287649, 287662, 287668, 287675, 287680, 287685, 287688, 287697, 287729, 287741, 290874, 311117.
- 75 May 26. **Canton, N.C., USA.** Workshop on defects in magnesium oxide and related materials. 279799.
- 75 May 26. **Goettingen, Germany, F.R.** 4. German symposium on nuclear law. 290006, 290325, 290329, 290341, 290346, 290349, 290350, 291073, 291075, 291076, 291077, 291078, 291079, 291080, 291081, 291082, 291083, 291084, 291085, 291086, 291087, 291088, 291089, 291090, 291091, 291093, 291094.
- 75 May 26. **Moscow, USSR.** 5. international conference on high pressure physics and technology. 308077, 309740, 309742, 309799, 309829, 309883, 309892, 309920, 309948.
- 75 May 26. **Yerevan, USSR.** 3. International symposium on primary and initial mechanisms of the effect of ionizing radiation on the cell. 289904.
- 75 May 29. **Ivry, France.** Colloquium on the disk pressure tests. 293704, 293709, 293710, 293713.
- 75 May 30. **Borstel, Germany, F.R.** Symposium on medical and biological problems of radiation exposures. 303139.
- 75 Jun. **Miami, Florida, USA.** Annual Radiation Research Society meeting. 286750.
- 75 Jun. **Philadelphia, Pennsylvania, USA.** 22. annual meeting of the Society of Nuclear Medicine. 306308.
- 75 Jun 1. **Haifa, Israel.** Annual meeting of the European two-phase flow group. 281381.
- 75 Jun 2. **Les Houches, France.** Structural analysis of collision amplitudes. 294050, 294051, 294061, 294064, 294078, 294097, 294666, 294684, 294685, 294687, 294711, 294712, 294714, 294725, 294726.
- 75 Jun 2. **Rochester, New York, USA.** 8. international conference on environmental toxicology. 289824, 306062, 306074, 306076, 306077, 306080, 306082, 306083, 306085, 306087, 306094, 306096, 306260, 310157, 310159.
- 75 Jun 3. **Sverdlovsk, USSR.** All-Union conference on chemistry of solids. 283047, 285960, 285967, 285974, 286009, 286016, 286017, 286047, 286052, 286081, 286085, 286094, 286095, 286096, 286102, 286106, 286112, 286118, 286141, 286144, 286149, 286152, 286153, 286159, 286162, 286163, 286167, 286171, 286172, 286173, 286180, 286189, 286223, 286522, 286528, 287979, 288003, 288121, 289172, 289173, 289175, 289177, 289180, 289182, 289183, 289187, 289189, 289190, 289192, 289196, 289199, 289206, 289218, 289219, 289224, 289226, 289234, 289235, 289239, 289246, 289250, 289252, 289260, 289262, 289263, 289269, 289271, 289272, 289274, 289279, 289284, 289285, 289286, 289290, 289291, 289292, 289303, 289305, 289307, 289309, 289311, 289312, 289316, 289317, 289322, 289324, 289325, 289329, 289330, 289337, 289340, 289341, 289343, 289353, 289359, 289361, 289367, 289368, 289369, 289370, 289371, 289373, 289384, 289387, 289388, 289389, 289401, 289413, 289418, 289421, 289574, 289587, 289626, 289629, 289634, 289658, 289674, 289676, 289685, 292281, 292397, 292399, 292408, 292479, 292496.
- 75 Jun 4. **Kosice, Czechoslovakia.** 10. meeting of Czechoslovak power engineers. 303458, 303602, 303607.
- 75 Jun 5. **Hamilton, Ontario, Canada.** 2. Canadian conference on earthquake engineering. 283809.
- 75 Jun 9. **Boston, Massachusetts, USA.** 7. International Thyroid Conference. 293287, 293306, 293343, 293403, 293431, 293439, 293525, 293949.
- 75 Jun 9. **London, UK.** The moon - a new appraisal from space missions and laboratory analyses, arranged by the British National Committee on Space Research. 311822, 311827, 311836, 311840, 311854, 311858, 311864, 311868, 311869, 311874, 311877, 311897, 311900, 312072, 312498, 312502, 312529, 312538.
- 75 Jun 9. **Washington, District of Columbia, USA.** 6. international conference on magnetohydrodynamic electrical power generation. 280179.
- 75 Jun 10. **Ceske Budejovice, Czechoslovakia.** 3. conference on wood protection. 296647.
- 75 Jun 11. **London, UK.** Symposium on ionising radiation safety. 281450.
- 75 Jun 11. **Strasbourg, France.** Workshop on HgI2 detectors. 284303.
- 75 Jun 12. **Paris, France.** Colloquium on nuclear law and law of the sea. 287801, 287807, 287817, 287818, 287820, 287827, 287828.
- 75 Jun 15. **Ottawa, Ontario, Canada.** Canadian Nuclear Association 15. annual international conference. 298746, 299179, 299300, 299741, 299743, 299745, 299746, 299747, 299748, 299749, 299752, 299754, 299755, 299756, 299757, 299924, 299957, 299960, 299977, 300024, 300025, 300049, 303966.
- 75 Jun 16. **Liblice, Czechoslovakia.** Symposium on hadron-hadron scattering at high energies. 297776, 297788, 297792, 297793, 297794, 297798, 297803, 297808, 297814, 297823, 297832, 297834, 297842, 297846, 297850, 297851, 297857, 297858, 297864, 297877, 297888, 297896, 297898, 300498.
- 75 Jun 18. **Bergen, Norway.** Annual meeting of the Norwegian Physical Society. 297215, 297217, 297248, 297264, 297279, 297574, 297636, 297637, 297837, 297886, 297895, 297936, 297967, 298008, 298014, 298025, 298099, 298771, 298781, 298792, 298804, 299496, 299505, 311977.
- 75 Jun 23. **Megeve, France.** Conference on laser spectroscopy. 290359, 290364.
- 75 Jun 23. **Rochester, New York, USA.** Seminar on Optical Methods in Energy Conversion. 294375, 294383, 294455, 296594, 297475.
- 75 Jun 23. **Saclay, France.** 18. Colloquium on metallurgy. Ni and its specific properties in certain types of alloys. 292640, 292772, 292889, 292925, 298547, 298554, 298592, 300979, 301007.
- 75 Jul 1. **Bloomington, Minnesota, USA.** 8. annual technical meeting of the International Metallographic Society. 289483, 289508, 289512, 289566, 289576, 289608, 289642, 289661, 290696.
- 75 Jul 1. **Moscow, Kolomna, USSR.** 1. all-union symposium on nuclear quadrupole resonance. 282185, 282206, 282207, 282241, 282250, 282254, 282255, 282264, 282280, 282293, 282296, 282298, 282326, 283090, 284786, 284788, 284794, 284861, 284867, 284886, 284894, 284928, 288116.
- 75 Jul 1. **Sydney, Australia.** Environment '75. 283842.
- 75 Jul 2. **Cambridge, UK.** 4. international conference on texture. 298564, 298615.
- 75 Jul 6. **Jerusalem, Israel.** 25. International congress of pure and applied chemistry. 293994.
- 75 Jul 7. **Oak Ridge, Tennessee, USA.** Energy sources of the future meeting. 282012.
- 75 Jul 8. **Lausanne-Dorigny, Switzerland.** Abundance effects in classification. 302359, 302365, 302367, 302369, 302374, 302377, 302380, 302384, 302387, 302392, 302393, 302402, 302408, 302424, 302425, 302426, 302429, 302436, 302438, 302440, 302446, 302463, 302464, 302467, 302469, 302478, 302479, 302481, 302484, 302486, 302493, 302494, 302497, 302499, 302507, 302509, 302518, 302527, 302529, 302530, 302533, 302534.
- 75 Jul 9. **Belo Horizonte, Minas Gerais, Brazil.** 27. annual meeting of the Brazilian society for the advancement of science. 300542, 300570, 300708, 304273, 304290, 304293, 304294, 304300, 304305, 304754, 304885, 304938, 304975, 304976, 306098, 306127, 306133, 306153, 307781, 308147, 308815, 310217, 311454, 311455, 311615, 313412.
- 75 Jul 14. **Upton, New York, USA.** ISABELLE summer study. 296716.
- 75 Jul 16. **Daisen, Tottori, Japan.** Daisen summer school (laser fusion workshop). 279895, 279913, 279950, 279951, 279997.
- 75 Jul 24. **Seattle, Washington, USA.** 9. international conference on physics of electronic and atomic collisions. 294167, 297230.
- 75 Jul 25. **Campinas, Sao Paulo, Brazil.** 3. International conference on light scattering in solids. 302592.
- 75 Jul 28. **Los Alamos, New Mexico, USA.** The high beta workshop. 304331, 304339, 304352, 304354, 304357, 304360, 304363, 304365, 304368, 304369, 304374, 304385, 304386, 304395, 304396, 304397, 304398, 304399, 304405, 304406, 304409, 304410, 304434, 304435, 304441, 304446, 304447, 304448, 304456, 304464, 304478, 304487, 304488, 304489, 304496, 304505, 304506, 304507, 304508, 304523, 304533, 304541.
- 75 Jul 30. **Los Alamos, New Mexico, USA.** Tritium operating safety seminar. 306597.
- 75 Aug. **Culham, UK.** 3. Topical conference on pulsed high-beta plasmas. 284967.
- 75 Aug. **Grenoble, France.** Symposium SM11 on solar fluxes and photochemistry. 302433.
- 75 Aug. **Grenoble, France.** Symposium SM12 on transport processes in the thermosphere and exosphere. 302373, 302520.
- 75 Aug 6. **Denver, Colorado, USA.** 24. annual conference on applications of x-ray analysis. 304394, 305532, 305539, 305541, 305547, 305553, 305575, 305811, 307427.
- 75 Aug 6. **Honolulu, Hawaii, USA.** 6. topical conference in particle physics. 282102, 282483, 282484, 282485, 282537, 282539, 282540, 282541, 282542, 282543, 282562, 282563, 282564, 282565, 282566.
- 75 Aug 10. **San Francisco, California, USA.** AIChE-ASME national heat transfer conference. 296542.
- 75 Aug 11. **San Francisco, California, USA.** 15. National heat transfer conference. 281524, 296471.



- 75 Aug 14. **Kanpur, India.** Symposium on lasers. 279700.
- 75 Aug 15. **Garching/Muenchen, Germany, F.R.** 14. international cosmic ray conference. 286677, 288982, 291525, 291526, 291528, 291529, 291531, 291532, 291533, 291534, 291535, 291536, 291538, 291539, 291540, 291542, 291543, 291544, 291545, 291555, 291563, 291564, 291565, 291566, 291567, 291574, 291588, 291589, 291590, 291597, 291601, 291602, 291607, 291612, 291613, 291614, 291615, 291617, 291622, 291624, 291627, 291629, 291631, 291636, 291640, 291641, 291650, 291651, 291652, 291655, 291657, 291677, 291681, 291695, 291783, 293872, 293879, 293910, 302358, 302363, 302366, 302368, 302370, 302371, 302375, 302378, 302379, 302382, 302383, 302385, 302390, 302391, 302399, 302401, 302405, 302409, 302410, 302414, 302416, 302417, 302418, 302419, 302420, 302427, 302428, 302431, 302439, 302441, 302442, 302443, 302450, 302451, 302452, 302453, 302454, 302455, 302456, 302459, 302468, 302470, 302472, 302473, 302474, 302475, 302476, 302485, 302487, 302488, 302500, 302501, 302504, 302508, 302510, 302511, 302512, 302514, 302515, 302516, 302517, 302519, 302521, 302524, 302526, 302528, 302833, 302846, 302850, 302851, 304553, 304571, 304574, 304582, 304608, 304628, 304685, 304686, 304716, 304717, 304737, 304738, 304790, 304840.
- 75 Aug 18. **Eindhoven, Netherlands.** 12. international conference of phenomena in ionized gases. 294423.
- 75 Aug 18. **Newark, Del.** 10. intersociety energy conversion engineering conference. 285302.
- 75 Aug 18. **Tilton, New Hampshire, USA.** Gordon research conference on laser interaction with matter. 291505.
- 75 Aug 19. **Zurich, Switzerland.** 7. international cyclotron conference. 281441, 299482, 299484, 299491, 299492, 299500.
- 75 Aug 24. **Chicago, Illinois, USA.** 170. American Chemical Society national meeting. 298125.
- 75 Aug 25. **Budapest, Hungary.** Euroanalysis 2. 282745.
- 75 Aug 25. **Chicago, Illinois, USA.** Symposium on radiation effects on solid surfaces. 310073.
- 75 Aug 25. **Krakow, Poland.** International conference on Moessbauer spectroscopy. 284819.
- 75 Aug 25. **Zurich, Switzerland.** 4. international symposium on polarization phenomena in nuclear reactions. 284055, 288924, 288983, 288986, 288987, 288988, 289093.
- 75 Aug 26. **Chicago, Illinois, USA.** Conference on new and specialty fibers. 280886, 281031.
- 75 Aug 27. **Glasgow, UK.** 3. national computational physics conference. 297205, 297283, 297435, 297474, 297490, 297531, 297651, 297744, 297746, 298035, 299424, 299533.
- 75 Aug 27. **Olomouc, Czechoslovakia.** 25. meeting on pharmacology. 286757, 286766, 286772, 286978, 293271.
- 75 Sep. **Cardiff, UK.** NDT 75. 281634.
- 75 Sep. **Gatlinburg, Tennessee, USA.** International conference on materials for nuclear steam generators. 284188.
- 75 Sep. **Rome, Italy.** 2. european conference on internal friction and ultrasonic attenuation in solids. 308012, 308013, 308026, 308028, 308032, 308042, 308058, 308065, 308080, 308122, 308129, 308144, 308150, 308152, 308159, 308161, 308171, 308174, 308176, 308183, 308187, 308198, 311570, 311585, 311595.
- 75 Sep 1. **Lausanne, Switzerland.** 7. European conference on plasma physics. 284968.
- 75 Sep 1. **London, UK.** 3. international conference on structural mechanics in reactor technology. 284983, 286403, 286411, 286412, 286430, 286431, 286434, 286445, 286454, 286469, 286530, 286532, 286533, 286534, 286537, 286543, 286564, 286566, 287003, 287004, 287008, 287009, 287010, 287011, 287012, 287013, 287014, 287016, 287017, 287021, 287023, 287029, 287030, 287031, 287032, 287037, 287038, 287042, 287043, 287044, 287045, 287046, 287047, 287048, 287049, 287050, 287051, 287052, 287053, 287054, 287055, 287057, 287059, 287060, 287063, 287065, 287067, 287196, 287220, 287225, 287278, 287279, 287280, 287283, 287286, 287300, 287301, 287302, 287303, 287304, 287305, 287307, 287310, 287312, 287313, 287315, 287316, 287317, 287319, 287320, 287321, 287322, 287325, 287326, 287327, 287328, 287330, 287331, 287334, 287335, 287336, 287337, 287341, 287342, 287343, 287347, 287348, 287349, 287350, 287351, 287352, 287354, 287355, 287356, 287358, 287361, 287365, 287366, 287367, 287368, 287369, 287370, 287371, 287374, 287375, 287376, 287377, 287378, 287379, 287385, 287386, 287388, 287390, 287391, 287392, 287393, 287394, 287395, 287397, 287399, 287401, 287402, 287405, 287407, 287409, 287411, 287412, 287416, 287417, 287418, 287419, 287420, 287423, 287424, 287425, 287426, 287429, 287430, 287431, 287432, 287438, 287439, 287440, 287441, 287442, 287446, 287447, 287449, 287452, 287453, 287455, 287456, 287458, 287460, 287487, 287491, 287493, 287494, 287495, 287496, 287497, 287498, 287502, 287505, 287509, 287521, 287522, 287523, 287524, 287528, 287533, 287538, 287540, 287543, 287545, 287546, 287547, 287548, 287550, 287551, 287552, 287553, 287556, 287558, 287560, 287562, 287567, 287568, 287571, 287573, 287574, 287575, 287576, 287577, 287579, 287580, 287823, 290581, 298664, 298665, 299163, 299168, 299191, 299215, 299223, 299228, 299518, 299522, 299525, 299547, 299551, 299552, 299553, 299554, 299555, 299556, 299558, 299559, 299560, 299562, 299563, 299566, 299567, 299568, 299570, 299571, 299573, 299575, 299577, 299578, 299580, 299581, 299582, 299583, 299587, 299588, 299590, 299591, 299592, 299593, 299594, 299595, 299596, 299597, 299598, 299599, 299600, 299601, 299602, 299605, 299606, 299607, 299609, 299610, 299611, 299612, 299613, 299614, 299616, 299618, 299619, 299620, 299621, 299622, 299623, 299624, 299626, 299627, 299628, 299630, 299631, 299634, 299635, 299636, 299675, 299689, 299690, 299691, 299695, 299706, 299708, 299712, 299715, 299716, 299719, 299720, 299721, 299722, 299723, 299724, 299725, 299726, 299729, 299730, 299737, 299740, 299762, 299765, 299778, 299780, 299789, 300388, 300966, 300994, 300997, 300998, 301006, 301010, 301019, 301032, 301033, 301039, 301070, 301075, 301085, 301336, 301341, 301342, 301343, 301344, 301346, 301347, 301349, 301351, 301352, 301354, 301357, 301361, 301362, 301363, 301364, 301365, 301366, 301367, 301368, 301372, 301374, 301375, 301376, 301377, 301378, 301380, 301383, 301384, 301385, 301387, 301388, 301389, 301390, 301393, 301395, 301397, 301398, 301400, 301401, 301403, 301405, 301409, 301410, 301411, 301412, 301413, 301414, 301416, 301417, 301418, 301419, 301420, 301421, 301422, 301423, 301425, 301427, 301428, 301429, 301431, 301432, 301433, 301434, 301437, 301441, 301443, 301444, 301445, 301447, 301448, 301449, 301450, 301451, 301452, 301552, 301553, 301554, 301555, 301556, 301558, 301560, 301565, 301566, 301567, 301569, 301570, 301571, 301575, 301643, 301658, 301659, 301660, 301663, 301664, 301665, 301666, 301669, 301670, 301671, 301672, 301674, 301675, 301676, 301677, 301679, 301680, 301681, 301682, 301684, 301685, 301687, 301688, 301689, 301690, 301691, 301692, 301693, 301694, 301695, 301696, 301698, 301699, 301700, 301701, 301703, 301704, 301705, 301708, 301709, 301711, 301712, 301714, 301715, 301716, 301717, 301719, 301721, 301722, 301723, 301724, 301727, 301728, 301729, 301730, 301731, 301732, 301733, 301735, 301736, 301737, 301739, 301740, 301744, 301745, 301746, 301747, 301748, 301749, 301750, 301751, 301752, 301754, 301756, 301780, 301781, 301782, 301818, 301820, 301826, 301827, 301836, 302031, 302036, 302037, 302038, 302039, 302040, 302041, 302043, 302045, 302048, 302049, 302050, 302051, 302053, 302056, 302057, 302058, 302060, 303478, 303484, 310940, 310949, 310951, 310974, 313169.
- 75 Sep 1. **Tokyo, Japan.** 7. conference on solid state devices. 307469, 311463, 311580.
- 75 Sep 1. **Toulouse, France.** 4. International congress on high voltage electron microscopy. 280937, 281061, 281074, 281087, 281093, 281099, 281103, 286447, 286459, 286524, 286552, 286554, 286568, 286569, 286571, 286573, 286585, 286586, 286590, 286592, 286593, 286599, 286701.
- 75 Sep 3. **Grenoble, France.** Symposium on marine chemical aspects of water and air pollution. 312545.
- 75 Sep 8. **Berlin, Germany, F.R.** International seminar on extreme load conditions and limit analysis procedures for structural reactor safeguards and containment structures. 283989, 287022, 287025, 287026, 287034, 287039, 287056, 287058, 287066, 287156, 296479, 296498, 296499, 296500, 296510, 296514, 296515, 296517, 296533, 296552, 301340, 301345, 301350, 301353, 301356, 301360, 301370, 301371, 301373, 301391, 301396, 301404, 301406, 301415, 301426, 301440, 301446, 301788, 301807, 301849, 301859, 301861, 301868.
- 75 Sep 8. **Bielefeld, Germany, F.R.** Symposium on quantum dynamics, models and mathematics. 307708, 307725, 307731, 307743, 307748, 307758, 307763, 307772, 307776, 307786, 307796, 307801, 307808, 307811.
- 75 Sep 8. **Cape Cod, Massachusetts, USA.** The Flare Build-up Workshop. 308306, 308466, 308473, 308477, 308494, 308496, 308524, 308526, 308543, 308555, 308560, 308567, 308568, 308577, 308583, 308587, 308598, 308603, 308604, 308637, 308643, 308655, 308659, 308660, 308678, 308686, 308700, 308704, 308707, 308714, 308726, 308734, 308738, 308740, 308755, 308777, 310177, 310192, 310224.
- 75 Sep 8. **Casamari, Italy.** Mediterranean summer school on surface states and chemical bonds. 300232, 302212, 302258.
- 75 Sep 8. **Dimitrovgrad, USSR.** IWGFR specialist's meeting of the IAEA on the behaviour of fission and corrosion products in the primary circuits of fast reactors. 293848.
- 75 Sep 8. **Gif-sur-Yvette, France.** Summer school on particle physics. 283551, 283564, 283565, 283566, 285431, 285440, 291727, 291731, 291756.
- 75 Sep 8. **Grenoble, France.** 5. European solid state device research conference (ESSDERC 75). 281938, 281945, 287689.
- 75 Sep 8. **Karlsruhe, Germany, F.R.** IAEA interregional training course on nuclear power project planning and implementation. 284141, 286690, 287041, 287785, 297932.
- 75 Sep 8. **Saclay, France.** Rencontre de Saclay. Electron scattering at intermediate energies. 280439, 280490.
- 75 Sep 8. **Villars-sur-Ollon, Switzerland.** Summer school on metals and alloys working. 309789, 309792, 309822, 309841, 309886, 309903, 309908.
- 75 Sep 8. **York, UK.** Conference on experience in the design, construction, and operation of prestressed concrete pressure vessels and containments for Nuclear Reactors. 313161, 313163, 313165, 313171, 313176, 313180, 313183, 313185, 313188, 313190, 313194, 313195, 313197, 313258, 313262, 313263, 313265, 313267, 313268, 313273, 313274, 313275, 313276, 313278, 313282, 313286, 313287, 313288, 313289, 313290, 313291, 313293, 313294, 313295, 313296, 313297, 313301, 313302, 313304, 313305, 313306, 313307, 313308, 313310, 313313, 313314, 313316, 313317, 313318, 313319, 313323, 313325, 313326, 313328, 313330, 313331, 313334, 313338, 313339, 313340, 313343, 313348, 313353, 313367.
- 75 Sep 9. **Kosice, Czechoslovakia.** 12. annual meeting of the Czechoslovak society for microbiology. 283547, 283566, 283572, 283574, 283584, 283585, 283586, 283589, 283682, 283764.
- 75 Sep 9. **Slapy - Nova Rabyne, Czechoslovakia.** Seminar on nuclear



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- 75 Sep 10. Baden Baden, Germany, F.R.** 5. international conference on plutonium and other actinides 309730, 309731, 309737, 309747, 309750, 309751, 309758, 309759, 309760, 309761, 309762, 309779, 309782, 309785, 309797, 309798, 309806, 309813, 309823, 309832, 309836, 309848, 309849, 309864, 309865, 309866, 309868, 309872, 309881, 309901, 309909, 309916, 309923, 309927, 309931, 309932, 309934, 309947, 309954, 309967, 309972, 309973, 309979, 309982, 309987, 309989, 309996, 310001, 310002, 310003, 310013, 310014, 310016, 310018, 310020, 310025, 310026, 310028, 310029, 310030, 310032, 310033, 310035, 310038, 310039, 310043, 310048, 310052, 310059, 310060, 310061, 310065, 310082, 310084, 310085, 310106
- 75 Sep 10. Brno, Czechoslovakia, R.** national conference on physiology of poultry 298888, 299127
- 75 Sep 10. Leuven, Belgium.** International meeting on hyperfine interactions 307879, 307881, 307896, 307899, 307909, 307917, 307985, 308005, 308014, 308015, 308017, 308019, 308021, 308025, 308027, 308034, 308035, 308036, 308040, 308043, 308044, 308045, 308047, 308048, 308049, 308050, 308051, 308055, 308056, 308057, 308059, 308060, 308061, 308069, 308072, 308095, 308097, 308098, 308102, 308104, 308105, 308106, 308107, 308113, 308116, 308117, 308120, 308132, 308135, 308136, 308137, 308138, 308140, 308141, 308143, 308149, 308151, 308156, 308157, 308158, 308164, 308165, 308166, 308168, 308170, 308173, 308175, 308179, 308180, 308184, 308186, 308195, 308203, 308206, 308209, 309262, 309264, 309275, 309276, 309280, 309295, 309336, 309339, 309347, 309349, 309352, 309365, 309402, 309456
- 75 Sep 12. Rostov na Donu, USSR.** 11. all union conference on X ray spectroscopy 284649, 284673, 284714, 284803, 284806, 284808, 284840, 284854, 284873, 284905, 284910, 284929, 284951, 286499, 287964, 287975, 288043, 288140
- 75 Sep 13. Baden Baden, Germany, F.R.** 4. international transplutonium element symposium 281147, 303329
- 75 Sep 14. Brighton, UK.** 18. International congress on occupational health 313607
- 75 Sep 15. Ames, Iowa, USA.** Research co-ordination meeting on induced mutations for disease resistance in crop plants 281330, 281331
- 75 Sep 15. Bass River, USA.** International Astronomical Union symposium no. 70 on Be and shell stars 302498, 308681
- 75 Sep 15. Grenoble, France.** 18. Colloquium spectroscopie internationale 297356, 298115, 298190
- 75 Sep 15. Tours, France.** 4. colloquium on high resolution molecular spectroscopy 282134, 311480
- 75 Sep 16. Aachen, Germany, F.R.** Scientific further education seminar 1975 on the application of the reliability theory in the electrical energy supply 310777
- 75 Sep 17. Juelich, Germany, F.R.** Three countries' annual meeting on crystal growth 311506, 312184, 312205, 312409, 312412
- 75 Sep 18. Rome, Italy.** Symposium on plasma chemistry 305926
- 75 Sep 22. Alma Ata, USSR.** 11. Mendeleev' congress on general and applied chemistry. Radiochemistry and nuclear technology section. 292527, 292531, 292543, 292560, 292562, 292563, 292568, 293987
- 75 Sep 22. Creteil, France.** Colloquium on the distribution of pulmonary gas exchange 299132, 299137, 299142, 299145, 301276
- 75 Sep 22. Verbania Pallanza, Italy.** 5. Symposium on microdosimetry 280759, 281193, 281207
- 75 Sep 23. Gaithersburg, Maryland, USA.** Atomic spectroscopy symposium 282152
- 75 Sep 23. Juelich, Germany, F.R.** Symposium on highly excited states in nuclei 300723
- 75 Sep 26. Boston, Massachusetts, USA.** Conference on gauge theories and modern field theory 284509, 284510, 284531, 284536, 284561, 285128, 285173, 285199, 285437, 285452, 285457, 285461, 285476, 285488, 285491, 291172
- 75 Sep 28. Dallas, TX, USA.** SPE-AIME 50 annual fall technical conference and exhibition 289494
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- 75 Sep 29. Hcin, Czechoslovakia.** 5. national conference on industrial applications of radionuclides 286639, 286997, 287117, 287139, 287277, 299139, 299144, 299149, 301534
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- 283706, 283707, 283708, 283709, 283714, 283717, 283718, 283720, 283824, 284485, 286784, 286806, 286842, 296251.
- 75 Nov 3. **Karlsruhe, Germany, F.R.** Advisory group meeting on transactinium isotope nuclear data. 285738, 285862, 287434, 287478, 287484, 287485, 287486, 287752, 288881, 288932, 288991, 288997, 289002, 289003, 289039, 289042, 289043, 289053, 289059, 289065, 289071, 289101, 289103, 292119, 296827.
- 75 Nov 3. **Los Alamos, New Mexico, USA.** 1. ERDA statistical symposium. 281595, 290185.
- 75 Nov 9. **Cincinnati, Ohio, USA.** Conference on radiation damage in metals. 312432.
- 75 Nov 10. **St. Petersburg, Florida, USA.** APS meeting. 288274, 288295, 291477, 294409, 294442, 294456, 297527, 297533, 308375.
- 75 Nov 10. **St. Petersburg, Florida, USA.** Division of Plasma Physics meeting of the American Physical Society. 291503.
- 75 Nov 12. **Seattle, Washington, USA.** Workshop on environmental research for transuranic elements. 310124.
- 75 Nov 14. **Erlangen, Germany, F.R.** Technical meeting of the Fachgruppe 'Brennelemente' of the KTG. 287519.
- 75 Nov 16. **Los Angeles, California, USA.** AIChE 68. Annual meeting. 281957.
- 75 Nov 16. **Miami Beach, Florida, USA.** 69. annual scientific meeting. 306287.
- 75 Nov 16. **San Francisco, California, USA.** American Nuclear Society winter meeting. 284196.
- 75 Nov 16. **San Francisco, California, USA.** Joint meeting of the American Nuclear Society and the Atomic Industrial Forum. 279937, 282011, 290841.
- 75 Nov 17. **Geising, German Democratic Republic.** Workshop on nuclear measuring methods and tracer techniques. 295138, 296736, 296952.
- 75 Nov 17. **San Francisco, California, USA.** IAEA international symposium on transuranium nuclides in the environment. 283491, 283501.
- 75 Nov 18. **Berlin, German Democratic Republic.** Final conference of the Ministry of Health of the USSR and the National Board for Nuclear Safety and Radiation Protection of the GDR on scientific-technical cooperation in radiation protection in the period 1973-1975. 289893, 289995, 290000, 290003, 290004, 290017, 290025, 290028, 290032, 290039, 290040, 290041, 290045, 290102, 290259, 290291, 290333, 290334, 290344, 290347, 290355, 290356, 290395, 290883, 290884, 290885, 290886, 290887, 290902, 290913, 290914, 290922, 290925, 291017.
- 75 Nov 18. **London, UK.** Conference on electrical methods of machining, forming and coating. 279734.
- 75 Nov 18. **San Diego, Calif. USA.** 6. symposium on engineering problems of fusion research. 288239, 294350, 300296, 300297.
- 75 Nov 20. **Batumi, USSR.** All-union symposium on steels and alloys of cryogenic engineering. 291709, 292706, 292724, 292730, 292731, 292732, 292736, 292737, 292743, 292746, 292749, 292754, 292760, 292793, 292794, 292798, 292800, 292802, 292803, 292809, 292818, 292821, 292825, 292831, 292849, 292860, 292867, 292872, 292873, 292880, 292882, 292883, 292887, 292901, 292905, 292914, 292919, 292920, 292922, 292923, 292930, 292931, 292935, 292936, 292938, 292939, 292941, 292950, 292951, 292952, 292953, 292954, 292958, 292959, 292964, 293644, 295846, 295876.
- 75 Nov 20. **Paris, France.** Information meeting on the tracer techniques in hydrology and hydraulics. 293155, 298749, 298750, 298754, 298755, 298756, 298760, 298762, 298763, 298764, 299343, 299350.
- 75 Nov 20. **Tokyo, Japan.** Conference of Japan section of American Nuclear Society. 291043.
- 75 Nov 22. **Antwerp, Belgium.** Conference of the Dutch and Belgian Societies of Nuclear Medicine. 309639, 309649, 310412, 310433, 310513, 311100, 311156, 312795.
- 75 Nov 25. **Moscow, USSR.** 5. all-union coordination meeting on dosimetry of ionizing radiation intensive beams. 281101, 281845, 281849, 281861, 284324.
- 75 Nov 26. **Tokyo, Japan.** 12. Japan conference on radioisotopes. 287835.
- 75 Nov 27. **Brest, France.** Colloquium on the formation of the oceanic lithosphere. 303108, 303113.
- 75 Nov 30. **Chicago, Illinois, USA.** 61. scientific assembly and annual meeting of the Radiological Society of North America. 289980, 289988, 296183, 310259, 310345, 310450.
- 75 Nov 30. **Houston, Texas, USA.** Annual winter meeting of the American Society of Mechanical Engineers. 281523, 290572.
- 75 Nov 30. **Pacific Grove, California, USA.** Workshop on automated cytogenetics. 301184.
- 75 Dec 1. **Paris, France.** Meeting of specialists on the antiseismic design of nuclear facilities. 299164, 299204.
- 75 Dec 1. **Vienna, Austria.** 3. Conference of the International Society for Research in Frontiers of Medicine. 300939.
- 75 Dec 8. **Trieste, Italy.** Consultants meeting on the use of nuclear theory in neutron nuclear data evaluation. 285589, 285604, 285626, 285632, 285633, 285637, 285643, 285662, 285664, 285670, 285680, 285690, 285695, 285698, 285699, 285719, 285720, 285869, 286667, 287854, 288866, 288893, 288914, 288916, 288934, 288976, 294815, 297977.
- 75 Dec 9. **McLean, Virginia, USA.** 4. international conference on fluidized bed combustion. 295600.
- 75 Dec 9. **Philadelphia, Pennsylvania, USA.** 21. annual conference on magnetism and magnetic materials. 292747.
- 75 Dec 11. **Bombay, India.** 3. national heat and mass transfer conference. 313009, 313016, 313261, 313400, 313633, 313651.
- 75 Dec 15. **Hollywood, Florida, USA.** EPA symposium on environmental aspects of fuel conversion technology. 295125.
- 75 Dec 17. **Saclay, France.** Technical meeting on uranium analysis methods. 292200.
- 75 Dec 29. **New Delhi, India.** 7. international conference on few body problems in nuclear and particle physics. 297890, 302198, 302205, 302206, 302214, 302220, 302550, 302562, 302572, 302601, 302606, 302655, 302660, 302661, 302662, 302663, 302665, 302668, 302669, 302670, 302671, 302674, 302675, 302676, 302677, 302678, 302680, 302682, 302685, 302686, 302688, 302689, 302690, 302692, 302694, 302695, 302697, 302698, 302701, 302702, 302705, 302706, 302707, 302708, 302709, 302710, 302711, 302712, 302713, 302716, 302717, 302718, 302719, 302720, 302721, 302723, 302724, 302725, 302727, 302728, 302729, 302730, 302731, 302732, 302733, 302735, 302738, 302741, 302742, 302743, 302744, 302745, 302747, 302749, 302750, 302752, 302753, 302754, 302755, 302756, 302758, 302759, 302762, 302764, 302765, 302766, 302767, 302768, 302769, 302770, 302771, 302772, 302773, 302774, 302775, 302776, 302777, 302778, 302779, 302780, 302784, 302785, 302786, 302787, 302788, 302789, 302790, 302791, 302792, 302793, 302795, 302796, 302797, 302798, 302799, 302804, 302807, 302808, 302811, 302812, 302814, 302815, 302819, 302822, 302828, 302831, 302836, 302841, 302844, 302845, 302847, 302853, 302854, 302857, 302859, 302860, 302863, 302865, 303395, 303404, 303756, 303757, 303761, 303773, 304962, 305193, 306839.
76. **Swansea, UK.** 4. international conference on gas discharges 308432.
76. **Zakopane, Poland.** 16. Cracow School of Theoretical Physics 300554.
- 76 Jan 5. **Mexico City, Mexico.** Symposium on mathematical physics. 291787.
- 76 Jan 5. **Tucson, Arizona, USA.** Conference on solitons. 282389, 297778.
- 76 Jan 8. **Tallahassee, Florida, USA.** Michael Kasha symposium on electronic processes and energy transfer in organic, inorganic, and biological systems. 298239.
- 76 Jan 12. **Bad Gastein, Austria.** International symposium on radioactive isotope in clinical medicine and research. 296305, 298162, 298179, 298181, 298204, 298380, 298384, 298386, 298387, 298389, 298419, 298929, 298937, 298947, 298949, 298967, 298972, 298973, 298982, 298987, 298992, 299013, 299015, 299021, 299023, 299024, 299030, 299032, 299034, 299035, 299036, 299038, 299039, 299041, 299044, 299045, 299048, 299053, 299054, 299057, 299059, 299060, 299061, 299064, 299065, 299066, 299068, 299073, 299075, 299081, 299234, 299826, 300754, 301198, 301204, 301222, 301223, 301224, 301225, 301226, 301227, 301228, 301229, 301232, 302926, 303155, 303163.
- 76 Jan 12. **Sanibel Island, Florida, USA.** Proceedings of the international symposium on quantum biology and quantum pharmacology. 310244.
- 76 Jan 19. **Coral Gables, Florida, USA.** Conference of the ORBIS SCIENTIAE center for theoretical studies. 288781.
- 76 Jan 19. **Jablonna, Poland.** 2. CMEA symposium on biophysics of nucleic acids. 286699.
- 76 Jan 25. **New York, New York, USA.** IEEE PES winter meeting and Tesla symposium. 313333.
- 76 Jan 26. **Chapel Hill, North Carolina, USA.** Symposium on X ray fluorescence analysis of environmental samples. 298170.
- 76 Jan 26. **Vidin, Bulgaria.** 3. national conference of young physicists 287951, 288718, 288923.
- 76 Jan 26. **Vidin, Bulgaria.** 7. national conference on physics. 281456, 287906, 288878, 288890, 288900, 291175, 291186, 291187, 291197, 291337, 291868, 291912, 291978, 293137, 293164, 293168, 293730, 293950, 294048, 294073, 294104, 294110, 294131, 294649, 297129.
- 76 Jan 27. **Risley, UK.** International Atomic Energy Agency working party. 290603.
- 76 Jan 29. **Bremen, Germany, F.R.** Meeting of mass spectrometry users. 285924.
- 76 Feb 2. **Vienna, Austria.** International symposium on nuclear techniques in animal production and health as related to the soil-plant system. 293307, 293313, 293315, 293317, 293318, 293319, 293321, 293322, 293325, 293328, 293332, 293333, 293335, 293338, 293344, 293376, 293377, 293378, 293379, 293380, 293381, 293382, 293383, 293384, 296233, 296237, 296245, 296263, 296268, 296269, 296273, 296343, 296344, 296345, 296347, 296348, 296350, 296351, 296400, 296403, 296404, 296406, 296412, 296420, 296422, 296423, 296454, 299113, 299122, 303153, 310407.
- 76 Feb 3. **Baku, USSR.** 26. conference on nuclear spectroscopy and nuclear structure. 303992, 304077, 304095, 304112, 304113, 304114, 304115, 304116, 304172, 304180, 304181, 304219, 304255, 304256, 304257, 304258, 304278, 304281, 304282, 304283, 304284, 304285, 304286, 304287, 304288, 304295, 304296, 304299, 304301, 304304, 304306, 304311, 304314, 304874, 304918, 304925, 304931, 304933, 304959, 304960, 305021, 305022, 305023, 305029, 305030, 305033, 305035, 305038, 305039, 305042, 305043, 305045, 305046, 305047, 305048, 305049, 305050, 305051, 305052, 305053, 305055, 305056, 305057, 305058, 305059, 305060, 305061, 305064, 305065, 305066, 305067, 305068, 305069, 305071, 305072, 305073, 305074, 305075, 305076, 305077, 305078, 305079, 305080, 305082, 305084, 305085, 305086, 305087, 305090, 305091, 305093, 305097, 305098, 305099, 305100, 305101, 305102, 305103, 305104, 305105, 305106, 305107, 305108, 305109, 305110, 305111, 305112, 305113, 305114, 305115, 305117, 305119, 305120, 305124, 305125, 305126, 305128, 305129, 305130, 305131, 305132, 305133, 305134, 305135,



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- 76 Feb 6. **Helsinki, Finland.** Annual meeting of the Finnish X-ray Society. 306619.
- 76 Feb 9. **Vemdalskalet, Sweden.** 5. meeting on radiation research and radiation technology. 283150, 283153, 283157, 283158, 283159, 283160, 283170, 283173, 283180, 283189, 283195, 283196, 283198, 283201, 283203, 283531, 283532, 283541, 283555, 283564, 283569, 284268, 284388, 284394.
- 76 Feb 12. **Las Vegas, Nevada, USA.** Nevada applied ecology group plutonium and other transuranics information conference. 281110.
- 76 Feb 13. **Juelich, Germany, F.R.** Panel discussion on iodine-123 in Western Europe. 299314.
- 76 Feb 16. **San Francisco, California, USA.** 2. international conference on surface effects in controlled fusion devices. 282354, 289718, 294388.
- 76 Feb 16. **Schladming, Austria.** 15. international university week for nuclear physics. 300078, 300086, 300089, 300098, 300104, 300109, 300114, 300117, 300120, 300493, 300500, 300503, 300507, 300532, 307770.
- 76 Feb 16. **Woods Hole, Massachusetts, USA.** 1. international workshop on seabed disposal of high-level wastes. 291005.
- 76 Feb 18. **Saclay, France.** French-Soviet seminar on the water-cooled reactors. 281682, 281757, 293717.
- 76 Feb 19. **Hamburg, Germany, F.R.** German cancer congress. 296298, 296431.
- 76 Feb 22. **Flaine, France.** International colloquium of the C.N.R.S. on the storage ring physics. 302551, 302556, 302577, 302582, 302583, 302584, 302597, 302603, 302605, 302610, 302619, 302624, 302630, 302633, 302637, 302640, 302642, 302644, 302646, 302650, 303385, 303412, 303415, 303417, 303421, 308850, 308871, 308904, 308910, 308957, 308974, 308980, 309047, 311096.
- 76 Feb 22. **Las Vegas, Nevada, USA.** AIME annual meeting. 298681, 307285.
- 76 Feb 23. **Las Vegas, Nevada, USA.** Symposium on failure modes in composites. 298587.
- 76 Feb 26. **Albuquerque, New Mexico, USA.** 16. annual ASME symposium on energy alternatives. 284211.
- 76 Feb 26. **Rotterdam, Netherlands.** 9. International TNO conference. 287775, 287784.
- 76 Feb 29. **Flaine, France.** 11. Rencontre de Moriond. 297806, 297810, 302558, 302559, 302563, 302569, 302570, 302574, 302575, 302580, 302581, 302586, 302591, 302594, 302600, 302602, 302609, 302612, 302617, 302618, 302632, 302634, 302641, 302645, 303393, 308853, 308854, 308863, 308878, 308880, 308881, 308899, 308906, 308930, 308931, 308997, 309017, 309033, 309044, 309050, 309060, 310816.
- 76 Mar. **Lund, Sweden.** Nordic symposium on atomic and molecular transition probabilities. 307856.
- 76 Mar. **Miami Beach, Florida, USA.** 1. World hydrogen energy conference. 307187.
- 76 Mar. **Severodonetsk, Ukrainian SSR.** Scientific-technical seminar on corrosion resistance of new steels and alloys and accelerated methods of their control on intercrystalline corrosion. 305714, 305715, 305716, 305717, 305718, 305719, 305720, 305721, 305722, 305723, 305725, 305727, 305729, 305732, 305733, 305734, 305735, 305736, 305737, 305738, 305740, 305741, 305742, 305743, 305745, 305746, 305747, 305748, 305749, 305750, 305752, 305753, 305754, 305755, 305756, 305757, 305758, 305759, 305761, 305763, 305764, 305765, 305768, 305769, 305770, 305771, 306920, 306924, 306925, 306928, 306930, 306931.
- 76 Mar 1. **Bombay, India.** Symposium on reactor physics. 312888, 313143, 313144, 313253, 313254, 313387, 313388, 313389, 313390, 313391, 313392, 313393, 313394, 313395, 313396, 313397, 313402.
- 76 Mar 1. **Frascati, Italy.** Discussion meeting on PETRA experiments. 285487.
- 76 Mar 1. **Gaithersburg, Maryland, USA.** NBS symposium on measurements for the safe use of radiation. 284273.
- 76 Mar 1. **Nashville, Tennessee, USA.** Conference on particle searches and discoveries. 288587, 288594, 288720, 288741, 288761, 288767, 288768, 288769, 288770, 288772, 288773, 288775, 288777, 288782, 288785, 288786, 288789, 288790, 288791, 288792, 288798, 288800, 288804, 288805, 288808, 288809, 288810, 288812, 288813, 288814, 291821.
- 76 Mar 1. **Toulouse, France.** International colloquium on solar electricity. 293922.
- 76 Mar 2. **Golden, Colorado, USA.** Interagency Mechanical Operations Group meeting. 283257, 284029.
- 76 Mar 9. **Dublin, Ireland.** International conference on physics in industry. 297370, 297379, 297384, 297541, 298153, 298173, 298178, 298182, 298205, 298744, 299136, 299319, 299353, 299364, 299477, 299831, 299921, 299944, 300058.
- 76 Mar 10. **Karlsruhe, Germany, F.R.** Spring meeting of the Deutsche Physikalische Gesellschaft e.V., Fachausschuss Kern- und Hochenergiephysik Section B: particle physics. 282526.
- 76 Mar 11. **Chatenay-Malabry, France.** Meeting on toxicity and ecology of plutonium and transplutonium elements. 298977, 299239.
- 76 Mar 11. **Marseille, France.** Meeting on the mechanical behavior of welded structures. 292779, 303044.
- 76 Mar 12. **Marburg, Germany, F.R.** 12. annual congress of the International Association for Dental Research, Continental European Division. 286819, 299025.
- 76 Mar 13. **Pittsburgh, Pennsylvania, USA.** ASME-ANS joint international conference on advanced nuclear energy systems. 284215, 296882.
- 76 Mar 15. **Alexandria, Egypt.** Research co-ordination meeting on tracer techniques in studies on the use of non-protein nitrogen (NPN) in ruminants. 310490, 310491, 310492, 310493, 310494, 310495, 310496, 310497, 310498, 310499, 310500, 310501, 310502, 310503, 312755, 312756, 312757.
- 76 Mar 15. **College Station, Texas, USA.** Conference on environmental oceanography in the Gulf of Mexico. 312830.
- 76 Mar 15. **Houston, Texas, USA.** 7. lunar science conference on utilization of lunar materials and expertise for large scale operations in space. 288380, 288440, 288496.
- 76 Mar 15. **Meribel-les-Allues, France.** 7. Meeting of the Theoretical Physics Division. 297207, 297818, 297848, 298090, 300491, 300494, 300501, 300506, 300515, 300525, 300528, 300620, 300648, 302763.
- 76 Mar 15. **Vienna, Austria.** International symposium on the development of nuclear-based techniques for the measurement, detection and control of environmental pollutants. 298130, 298144, 298149, 298150, 298157, 298161, 298164, 298168, 298171, 298174, 298183, 298186, 298188, 298189, 298193, 298195, 298198, 298210, 298470, 298751, 298753, 298761, 298765, 298773, 298784, 298794, 299014, 299807, 300747, 300751, 300758, 300767, 300782, 300783, 300802, 300807, 300810, 300814, 301116, 301124, 310172.
- 76 Mar 18. **Berkeley, California, USA.** Applications of science to medieval ceramics conference. 289109.
- 76 Mar 18. **Philadelphia, Pennsylvania, USA.** Meeting of the Delaware valley section of the American Vacuum Society. 287102.
- 76 Mar 22. **Vienna, Austria.** IAEA symposium on the management of radioactive waste. 290969.
- 76 Mar 23. **Bad Nauheim, Germany, F.R.** Arbeitsgemeinschaft Magnetismus Conference. 308073, 308082, 309739, 309771, 309778, 309816, 309837, 309912.
- 76 Mar 23. **Hannover, Germany, F.R.** Advanced training meeting: Isotope techniques in hydrology. 286635.
- 76 Mar 23. **Saclay, France.** 8. International congress of the French Society for Radiation Protection: basic and applied aspects of dosimetry. 299323, 301956, 302658, 303337, 303338, 303341, 303342, 303343, 303346, 303347, 303771, 303776, 303781, 303927, 310269, 310630, 310635, 310705, 310709, 310711, 310714, 310715, 310717, 310718, 310719, 311084, 311097, 311127, 311130, 311136, 311142, 311164, 311168.
- 76 Mar 24. **Edinburgh, UK.** Archaeometry and archaeological prospecting. 282752.
- 76 Mar 24. **Nottingham, UK.** 3. Conference on industrial robot technology. 281562.
- 76 Mar 25. **Bombay, India.** Symposium on structural and functional aspects of chromosomes. 286694, 286725, 286731, 286752, 286863, 286894.
- 76 Mar 25. **Miami, Florida, USA.** 4. cyclotron users' meeting. 310867, 313069.
- 76 Mar 25. **Williamsburg, Virginia, USA.** International topical conference on structure and excitations of amorphous solids.



- 295700, 295721, 295744, 295830, 295842, 295896, 295899, 295915, 295922, 295925.
- 76 Mar 28. **Zermatt, Switzerland.** 18. Training course of the Association vaudoise des chercheurs en physique. 280239.
- 76 Mar 29. **Baden, Austria.** DPG/OEPG meeting nuclear physics. 285631.
- 76 Mar 29. **Freiburg, Germany, F.R.** 2. international conference on inner shell ionization phenomena. 287962, 288010, 304106, 307872.
- 76 Mar 29. **London, UK.** Colloquium on CCTV in different environments. 287682.
- 76 Mar 29. **Upton, New York, USA.** Blanket/power systems for fusion reactors: technology workshop. 279888, 311638, 311658, 311669, 311670, 311672, 311673, 311714, 311722, 311724, 311730, 311755, 311767, 311798, 311801, 311804.
- 76 Mar 29. **Vienna, Austria.** Symposium on exploration of uranium ore deposits. 312076, 312461, 312462, 312463, 312464, 312465, 312468, 312470, 312471, 312473, 312474, 312475, 312480, 312487, 312491, 312493, 312495, 312505, 312510, 312511, 312513, 312514, 312521, 312524, 312525, 312526, 312528, 312531, 312532, 312533, 312534, 312535, 312539, 312541, 312543, 313418, 313420, 313451.
- 76 Mar 29. **Washington, District of Columbia, USA.** 3. energy technology conference/exposition. 279901, 304414, 307572.
- 76 Mar 30. **Duesseldorf, Germany, F.R.** Reactor meeting. 281816, 287483, 287513, 294477, 297062, 297078.
- 76 Mar 30. **Grenoble, France.** Symposium on two phase flow and cavitation in power generation systems. 287158, 287159, 287160, 287163, 287164, 287165, 287166, 287167, 287168, 287170, 287171, 287172, 287173, 287174, 287176, 287177, 287178, 287180, 287181, 287182, 287183, 287184, 287185, 287186, 287189, 287190, 287191, 287192, 287194, 287195, 287197, 287198, 287199, 293629, 293631, 293635, 293636, 293637.
- 76 Mar 30. **Saclay, France.** Inter-regional training course on nuclear power project planning and implementation. 311297, 311298, 311304, 311322, 311323, 311325, 311328, 311336, 311337, 311338, 311339.
- 76 Apr. **Amsterdam, Netherlands.** 17. Federatieve vergadering. 293258.
- 76 Apr. **Newcastle, UK.** Conference on the origin of the Solar System. 308463.
- 76 Apr 1. **Argonne, Illinois, USA.** Symposium on macroscopic features of heavy ion collisions. 280392, 282661, 288869, 289082, 289097, 289098, 291909, 291911, 291917, 291920, 291923, 291930, 291931, 291934, 291937, 291938, 291967, 291998, 292047, 292057, 292073, 292147, 292148, 292152, 292153, 294809, 294819, 294821, 294822, 294828, 294869, 294876, 294878, 294886, 294894, 294898, 294901, 294902, 294906, 294908, 294916, 294918, 294920, 294923, 294927, 294931, 294935, 294937, 294946, 294947, 294964, 294967, 294973, 294981, 294982, 295014, 295021, 295022, 295030, 295042, 295045, 295051, 295058, 295066, 295069, 295073, 295076, 295084, 295085, 295086, 295092.
- 76 Apr 1. **Vienna, Austria.** Technical committee on the treatment of nuclear data sources in INIS. 282006, 291103.
- 76 Apr 1. **Zuoz, Switzerland.** Topical meeting on intermediate energy physics. 285882, 291899.
- 76 Apr 2. **Philadelphia, Pennsylvania, USA.** ORSA/TIMS joint national meeting. 284140.
- 76 Apr 3. **Utrecht, Netherlands.** Conference of the Dutch Society of Nuclear Medicine. 310508, 312818.
- 76 Apr 5. **Argonne, Illinois, USA.** Meeting on recriticality energetics. 293507.
- 76 Apr 5. **New York, New York, USA.** Conference of the division of fuel chemistry, of the American Chemical Society. 286350.
- 76 Apr 6. **Frascati, Italy.** 2. European symposium on space materials science. 286451.
- 76 Apr 6. **Monterey, California, USA.** Workshop on nuclear pumped laser. 279942.
- 76 Apr 7. **Glasgow, UK.** Annual Chemical Congress. 287782.
- 76 Apr 7. **Southampton, UK.** On the interaction of electrons with solids. 300134, 300141, 300819.
- 76 Apr 8. **Argonne, Illinois, USA.** Seminar on the potential for LMFBF boiling detection by acoustic/neutronic monitoring. 296814, 296819, 296869, 296870, 296872, 296873, 296874, 296875, 296876, 296881, 296883, 296901.
- 76 Apr 8. **Bern, Switzerland.** Swiss Physical Society spring meeting. 307826, 307882, 308085, 308086, 308087, 308100, 308134, 308182, 308332, 308433, 308434, 308445, 308540, 308691, 308783, 308787, 308799, 308803, 308808, 308937, 308992, 308993, 309015, 309067, 309099, 309104, 309145, 309166, 309184, 309230, 309271, 309299, 309318, 309430, 309467, 309725, 309766, 309775, 309787, 309795, 309803, 309854, 309860, 309891, 309905, 310195, 310198, 310232, 311110, 311145, 311213.
- 76 Apr 9. **Grouville Bay, Jersey.** Spring residential conference on grain boundaries. 292753, 292756, 292804, 292865, 292933.
- 76 Apr 9. **Muenchen, Germany, F.R.** European meeting on biochemical and instrumental analysis in conjunction with the international exhibition. *Analytica* 76. 283733, 296429, 296430.
- 76 Apr 12. **Oak Ridge, Tennessee, USA.** Seminar on radiation energy spectra unfolding. 296909, 296910, 296918, 296930, 296935, 296941, 296942, 296945, 296946, 296947, 296949, 296950, 296956, 296962, 296963, 296971, 296972, 296983, 296985, 299808, 299823, 299846, 299861.
- 76 Apr 13. **Albuquerque, New Mexico, USA.** LASL-LIS conference. 281432.
- 76 Apr 13. **Leeds, UK.** 7. L. H. Gray memorial conference on medical images: formation, perception and measurement. 281340.
- 76 Apr 18. **Erice, Italy.** Communication to the thinkshop on physics: experimental quantum mechanics. 282046, 285381, 300080.
- 76 Apr 18. **Geneva, Switzerland.** Thinkshop experimental quantum mechanics. 285363.
- 76 Apr 19. **Gaithersburg, Maryland, USA.** Conference on computer simulation for materials applications. 288094, 288109, 288128, 305767, 305796, 305797, 305799, 305800, 305801, 305803, 305835, 305836, 305843, 305844, 305845, 305846, 305848, 305849, 305850, 305859, 305862, 305865, 305873, 305876, 305877, 305899, 305919, 305923, 305946, 305950, 305976, 306007, 306011, 306012, 306025, 306027, 306030.
- 76 Apr 19. **New Orleans, Louisiana, USA.** 2. international congress of quantum chemistry. 282521.
- 76 Apr 20. **Chicago, Illinois, USA.** American power conference. 279889.
- 76 Apr 20. **Reinhardtbrunn, German Democratic Republic.** 2. advanced training course on nuclear safety and radiation protection. 311183.
- 76 Apr 22. **Fredericton, New Brunswick, Canada.** Meeting on exploration geochemistry in the Appalachians, (AEG). 312484.
- 76 Apr 22. **Madison, Wisconsin, USA.** International conference on production of particles with new quantum numbers. 285512.
- 76 Apr 23. **Gatlinburg, Tennessee, USA.** Region 5 seminar on practical applications in manufacturing. 284013.
- 76 Apr 23. **Philadelphia, Pennsylvania, USA.** Symposium on chemistry of radiopharmaceuticals. 280728.
- 76 Apr 25. **Wiesbaden, Germany, F.R.** 82. meeting of the Deutsche Gesellschaft fuer Innere Medizin. 281326, 283777.
- 76 Apr 26. **Amsterdam, Netherlands.** Nederlandse Natuurkundige Vereniging, Sectie Kernfysica, spring meeting. 308094.
- 76 Apr 26. **Amsterdam, Netherlands.** Voorjaarsvergadering. 280357, 280450, 283295.
- 76 Apr 26. **New York, New York, USA.** 3. international symposium on detection and prevention of cancer. 281218.
- 76 Apr 26. **Oak Ridge, Tennessee, USA.** Symposium on radiopharmaceutical dosimetry. 283713.
- 76 Apr 26. **Paris, France.** International symposium on californium-252 utilization. 286831, 306644, 312662.
- 76 Apr 26. **Washington, District of Columbia, USA.** Spring meeting of the American Physical Society. 282429, 289012.
- 76 Apr 27. **Champion, Pennsylvania, USA.** IAEA international working group on fast reactors. 307007, 307260, 313358.
- 76 Apr 27. **Champion, Pennsylvania, USA.** International conference on liquid metal technology in energy production. 290336.
- 76 Apr 27. **Hanau, Germany, F.R.** Technical seminar no. 5 1975/76. 296912.
- 76 Apr 27. **Trieste, Italy.** Conference on physics of tandem. 280409, 280412, 280467, 280478, 292115, 292143.
- 76 Apr 28. **Detmold, Germany, F.R.** 27. starch meeting. 292184.
- 76 Apr 28. **Lyon, France.** Symposium on the photoelectron spectroscopy (X PS or ESCA and UPS). 280970, 284797, 284835.
- 76 Apr 30. **Rochester, New York, USA.** 2. Conference on superconductivity in d- and f- bands. 280893, 280938, 281000, 286510, 293011.
- 76 May 3. **Champion, Pennsylvania, USA.** International conference on liquified metal technology in energy production. 280660, 281824, 281827, 287572, 289488, 290802, 293849, 296888.
- 76 May 3. **Cincinnati, Ohio, USA.** 78. annual meeting of the American Ceramic Society. 293986, 295931, 296885, 296903.
- 76 May 3. **Trieste, Italy.** International workshop on the physics of tandems. 309109.
- 76 May 4. **St. Louis, Missouri, USA.** 8. symposium of the American Society for Testing and Materials on the effect of radiation on structural materials. 284213, 289797, 310066, 310070, 310107.
- 76 May 5. **Essen, Germany, F.R.** Meeting on the treatment and disposal of sewage sludges as well as special liquid to solid wastes in consideration of recent research findings and progress reports from existing plants. 287147.
- 76 May 5. **Heidelberg, Germany, F.R.** 7. scientific meeting of the Deutsche Gesellschaft fuer Medizinische Physik e.V. 283731, 295238, 307468.
- 76 May 5. **Muenchen, Germany, F.R.** Information meeting on the AD leaflets of the HP series. 299526.
- 76 May 5. **Petten, Netherlands.** International colloquium on measurement of irradiation enhanced creep in nuclear materials. 283427, 293065, 296886, 306001.
- 76 May 9. **Cambridge, Massachusetts, USA.** NSF workshop on the laser revolution in energy-related chemistry. 290361.
- 76 May 9. **San Diego, California, USA.** Conference on mass spectrometry and allied topics. 280535.
- 76 May 10. **Kiryat Anavim, Israel.** 9. international conference on electromagnetic isotope separators and related ion accelerators. 307941, 308007, 308074, 308167, 309653, 309675, 310641, 310642, 310644, 310645, 310647, 310648, 310649, 310650, 310651, 310652, 310653, 310654, 310655, 310656, 310657, 310658, 310659, 310660, 310661, 310662, 310663, 310664, 310665, 310666, 310667, 310668, 310669, 310670, 310671, 310672, 310673, 310675, 310676, 310679, 310686, 310689, 310694, 310697, 310699, 310704, 310812, 310818, 310840, 310847, 310853, 311218.
- 76 May 10. **Schenectady, New York, USA.** International conference on superionic conductors. 283411.
- 76 May 10. **Vienna, Austria.** Technical committee meeting on high-level and alpha-bearing wastes. 287757.
- 76 May 11. **Caen, France.** Technical meeting. Mining and mineralurgy session. 300962.



- 76 May 11. **Grenoble, France.** 6. ICED meeting. 289538, 290491.
- 76 May 11. **Oak Ridge, Tennessee, USA.** National waste terminal storage program prospective participants conference. 293992.
- 76 May 12. **Lausanne, Switzerland.** 1. Congress of the European Nuclear Medicine Society. 301508.
- 76 May 12. **Miamisburg, Ohio, USA.** DAMSUL committee meeting. 313554.
- 76 May 12. **Washington, District of Columbia, USA.** 23. international communication conference. 290440.
- 76 May 13. **Besancon, France.** Meeting on calorimetry and thermal analysis. 297757, 298191, 298656.
- 76 May 13. **Essen, Germany, F.R.** German X-ray congress. 296442, 306345.
- 76 May 16. **Atlanta, Georgia, USA.** American industrial hygiene conference. 290021.
- 76 May 17. **Leningrad, USSR.** IAEA meeting on LMFBR fuel reprocessing. 295158, 295584, 295586, 297050, 297051, 305795, 310567.
- 76 May 17. **Los Alamos, New Mexico, USA.** CTR insulator meeting. 281043, 304373.
- 76 May 17. **Pacific Grove, California, USA.** 3. International symposium on biotelemetry. 287596.
- 76 May 17. **Pribram, Czechoslovakia.** National radiobiological conference and scientific conference of the Institute of national health in uranium industry. 295596, 296089, 296090, 296098, 296099, 296110, 296111, 296126, 296127, 296131, 296132, 296144, 296145, 296146, 296148, 296151, 296153, 296154, 296155, 296156, 296157, 296159, 296160, 296162, 296163, 296164, 296165, 296169, 296170, 296171, 296173, 296174, 296177, 296179, 296180, 296182, 296184, 296185, 296187, 296188, 296189, 296190, 296191, 296192, 296195, 296196, 296200, 296219, 296222, 296225, 296238, 296244, 296248, 296253, 296260, 296262, 296270, 296271, 296277, 296283, 296285, 296313, 296556, 298917, 298990, 301147.
- 76 May 18. **Antwerp, Belgium.** Seminar on the bituminization of low and medium level radioactive wastes. 284374, 284391, 302002.
- 76 May 18. **Moscow, USSR.** 5. European conference on thermophysical properties of solids at high temperatures. 295891, 295912, 295914, 295923, 295926, 296861.
- 76 May 19. **Ann Arbor, Michigan, USA.** ERDA symposium on x- and gamma-ray sources and applications. 290917, 307825, 308351, 309070, 309478, 309479, 309515, 309528, 309734, 309810, 310004, 310127, 310130, 310137, 310149, 310151, 310452, 310455, 310456, 310460, 310463, 310464, 310540, 310555, 310593, 310677, 310678, 310680, 310683, 310685, 310687, 310688, 310693, 310695, 310696, 310703, 310710, 310735, 310736, 310738, 310740, 310749, 310750, 310752, 310753, 310754, 310755, 310759, 311088, 311099, 311122, 311139, 311147, 311150, 311175, 311201, 311202, 311232, 311348, 311352.
- 76 May 19. **Cargese, Corsica, France.** 3. International conference on nuclides far from stability. 280431, 280453, 285804, 292001, 292034, 292083, 295018, 309255, 312031.
- 76 May 19. **Cleveland, Ohio, USA.** Conference on Immunodynamics. 310314, 310318, 310320, 310348, 310355, 310357, 310386, 310396, 310400, 310420.
- 76 May 19. **London, UK.** BNES meeting. 293995.
- 76 May 19. **Muenchen, Germany, F.R.** 9. Allianz forum on engineering and insurance. 310605.
- 76 May 19. **Rijswijk, Netherlands.** Neutron dosimetry workshop. 282570, 283953.
- 76 May 20. **Risoe, Denmark.** Meeting of the EURATOM working group on the irradiation devices. 293705, 293711.
- 76 May 21. **Utrecht, Netherlands.** Conference of the Dutch Society of Nuclear Medicine. 309531, 310402, 310528, 311249.
- 76 May 24. **Austin, Texas, USA.** International conference on plasma science. 282358, 300326.
- 76 May 24. **Charlottesville, Virginia, USA.** Conference on high density alloy penetrator materials. 287794, 289507, 289514, 289523, 289525, 289595, 289596, 289615, 292946.
- 76 May 24. **Grenoble, France.** Annual meeting of the French Society of Heat Engineers: thermal aspects of actual energy problems. 302017, 303752, 310765.
- 76 May 24. **Lahnstein, Germany, F.R.** Annual meeting 1976 of the DGZfP 'nondestructive materials testing'. 281636, 287281, 293703, 296764.
- 76 May 24. **Oslo, Norway.** IAEA symposium on nuclear fuel quality assurance. 284183.
- 76 May 24. **Pittsburgh, Pennsylvania, USA.** International topical conference on meson-nuclear physics. 282551, 284042, 285401, 285505, 288601, 288617, 288683, 291936, 292046, 292081, 294172, 294173, 294185, 294611, 294614, 294716, 294753, 294757, 294759, 294763, 294775, 294801, 294802, 294807, 294808, 294811, 294825, 294826, 294831, 294842, 294844, 294845, 294846, 294847, 294848, 294850, 294851, 294852, 294855, 294856, 294857, 294858, 294859, 294863, 294864, 294867, 294868, 294875, 294877, 294881, 294882, 294885, 294889, 294891, 294893, 294896, 294905, 294909, 294910, 294915, 294921, 294929, 294932, 294936, 294939, 294940, 294944, 294949, 294950, 294951, 294952, 294958, 294962, 294963, 294966, 294971, 294975, 294983, 294984, 294988, 294990, 294995, 295017, 295019, 295067, 295078, 295081, 295082, 295093, 297097, 297272, 297765, 297766, 297795, 297813, 297816, 297829, 297830, 297847, 297849, 297880, 297892, 297906, 297911, 297941, 297948, 297949, 297952, 297956, 297957, 297959, 297965, 297966, 297970, 297979, 297980, 297981, 297985, 297986, 297987, 297990, 297992, 297995, 297998, 297999, 298000, 298001, 298006, 298007, 298010, 298011, 298012, 298017, 298021, 298022, 298028, 298030, 298033, 298036, 298041, 298050, 298058, 298100, 298107, 298113, 299493, 299501, 299504, 299821, 300562, 300578, 300606, 300632, 300667, 300680, 300697, 304936.
- 76 May 25. **Atlanta, Georgia, USA.** Spring DECUS symposium. 284464.
- 76 May 25. **Casaccia, Italy.** 17. Meeting of the hot laboratory EURATOM Commission. 287235, 293482, 293706.
- 76 May 25. **Duisburg, Germany, F.R.** Meeting on new findings in the field of submerged-arc welding. 289513.
- 76 May 25. **Hot Springs, VA, USA.** 99. annual meeting of the American Gynecological Society. 310380.
- 76 May 25. **Hradec Kralove, Czechoslovakia.** 6. seminar on solid ceramic electrolytes. 301050, 301055, 301065, 301988.
- 76 May 25. **San Diego, California, USA.** 22. international instrumentation of the Instrument Society of America. 288241, 289606, 291476.
- 76 May 27. **Frankfurt am Main, Germany, F.R.** Annual meeting of the Deutsche Public Relation Gesellschaft (DPRG). 306551.
- 76 May 31. **Bloomington, Indiana, USA.** Workshop on the determination of momentum wavefunctions. 288956.
- 76 Jun. **Dubna, USSR.** International conference on selected topics in nuclear structure. 282588.
- 76 Jun. **Princeton, New Jersey, USA.** Conference on partially ionized plasmas. 311738.
- 76 Jun. **Toronto, Ontario, Canada.** American Nuclear Society conference. 299540.
- 76 Jun. **Trieste, Italy.** Topical meeting on multiparticle production at very high energy. 300555.
- 76 Jun 1. **Cadarache, France.** 43th Meeting of the French dosimetry groups. 281687.
- 76 Jun 1. **Keszthely, Hungary.** 4. symposium on radiation chemistry. 280735.
- 76 Jun 1. **Upton, New York, USA.** Summer study on kaon physics and facilities. 290478, 290497.
- 76 Jun 2. **Baden/Vienna, Austria.** 14. meeting of the Oesterreichische Roentgensellschaft. 310633.
- 76 Jun 2. **New Orleans, Louisiana, USA.** Symposium on biological evaluation of environmental impact. 296529.
- 76 Jun 5. **Grenoble; Vienne, France.** Numismatology meeting. 302871.
- 76 Jun 6. **Anaheim, California, USA.** 36. annual Institute of Food Technologists meeting. 312753.
- 76 Jun 6. **Gatlinburg, Tennessee, USA.** Conference on neutron scattering. 280641, 282569, 282851, 287875, 291383, 292973, 305829, 305833, 305881, 305885, 305893, 305894, 305896, 305897, 305913, 305934, 305938, 305943, 305944, 305948, 305966, 305973, 305979, 305984, 305985, 307718, 307730, 307745, 307754, 307805, 307810, 307817, 307820, 308062, 308096, 308124, 309068, 309072, 309077, 309694, 309728, 309744, 309755, 309763, 309769, 309770, 309773, 309780, 309781, 309793, 309794, 309815, 309819, 309839, 309845, 309851, 309861, 309862, 309867, 309869, 309873, 309875, 309896, 309900, 309913, 309942, 309953, 309958, 309961, 309963, 309970, 309977, 309981, 309983, 309985, 309990, 309991, 309992, 309994, 309997, 310037, 310041, 310042, 310044, 310045, 310049, 310064, 311125.
- 76 Jun 7. **Boulder, Colorado, USA.** American Geophysical Union international symposium on solar-terrestrial physics. 308486.
- 76 Jun 7. **Boulder, Colorado, USA.** International symposium on solar terrestrial physics. 283512, 285126, 285144.
- 76 Jun 7. **Gerona, Spain.** 7. International seminar on theoretical physics. 291793.
- 76 Jun 7. **Kharkov, Ukrainian SSR.** 4. all-union conference on nuclear particles interaction with solid surface. 311465, 311466, 311467, 311468, 311472, 311473, 311481, 311483, 311485, 311486, 311487, 311489, 311491, 311499, 311500, 311501, 311504, 311505, 311511, 311512, 311514, 311516, 311519, 311535, 311536, 311537, 311538, 311540, 311541, 311547, 311555, 311556, 311557, 311559, 311560, 311564, 311567, 311573, 311574, 311578, 311579, 311587, 311588, 311591, 311598, 311599, 311600, 311602, 311603, 311604, 311607, 311611, 311612, 311616, 311617, 311618, 311624, 311625, 311991, 312174, 312433, 312434, 312446.
- 76 Jun 7. **Osaka, Japan.** Seminar on geometric models of the elementary particles. 288624.
- 76 Jun 8. **Aachen, Germany, F.R.** International neutrino conference. 294700, 294708, 294748, 294762, 294766, 294771, 297867, 297872, 299845.
- 76 Jun 8. **Cleveland, Ohio, USA.** Power electronics specialists conference. 279902.
- 76 Jun 8. **Milan, Italy.** 17. national congress of Italian Metallurgical Association. 296810.
- 76 Jun 8. **Muenchen, Germany, F.R.** Meeting of the European Society of Nuclear Methods in Agriculture. 296646.
- 76 Jun 8. **Muenchen, Germany, F.R.** Sub-meeting on ionizing radiation in waste treatment. 301513.
- 76 Jun 8. **Oak Ridge, Tennessee, USA.** Workshop on correlation of neutron and charged particle damage. 305992, 310075.
- 76 Jun 8. **Paris, France.** Meeting on automatic quality control. 281756, 293720.
- 76 Jun 8. **Philadelphia, Pennsylvania, USA.** 19. Meeting of the Committee on Space Research. 280933.
- 76 Jun 8. **Seattle, Washington, USA.** Nuclear Regulatory Commission partitioning workshop. 297032, 297035, 299915, 307523.
- 76 Jun 9. **Clermont-Ferrand, France.** Annual conference of the Societe Francaise de Microscopie Electronique. 285921, 291301, 292204, 292208, 301009, 301023, 301037.
- 76 Jun 9. **Denver, Colorado, USA.** 17. annual logging symposium transactions. 281472, 281484, 281488, 281490, 281493, 281880, 281914, 283968, 293138, 293587, 293589, 293591, 293607,



- 293612.
- 76 Jun 9. Giessen, Germany, F.R.** 10. annual meeting of the Fachverband fuer Strahlenschutz e.V. and 17. annual meeting of the Vereinigung Deutscher Strahlenschutzärzte e.V. 301381, 301407, 301459, 301466, 301467, 301470, 301471, 301472, 301475, 301476, 301477, 301478, 301479, 301483, 301485, 301486, 301515, 301524, 301525, 301549, 301582, 301586, 301593, 301595, 301612, 301620, 301627, 301944, 302001, 302006, 303306.
- 76 Jun 9. Hamburg, Germany, F.R.** General meeting of the Deutsche Gesellschaft fuer Metallkunde e.V. 289652, 311524.
- 76 Jun 9. Orsay, France.** 1. Meeting GANIL. Workshop on facilities and experimental devices. 301606, 301610, 303392, 303398, 303399, 303400, 303401, 303405, 303408, 303414, 303423, 303424.
- 76 Jun 10. Princeton, New Jersey, USA.** Symposium on uranium plasmas. 281825, 288034, 289789.
- 76 Jun 11. Giessen, Germany, F.R.** 17. annual meeting of the Vereinigung Deutscher Strahlenschutzärzte. 306615.
- 76 Jun 11. Lerum, Sweden.** Nobel symposium on nonlinear effects in plasmas. 288260.
- 76 Jun 12. Washington, District of Columbia, USA.** Summer computer conference. 282009, 282010, 284471.
- 76 Jun 13. Toronto, Ontario, Canada.** American Nuclear Society 1976 annual meeting. 279847, 281644, 282627, 283690, 284167, 284229, 284491, 287880, 288152, 288168, 288170, 288171, 288181, 288194, 288195, 288199, 288201, 288203, 288208, 288210, 288211, 288213, 288215, 288217, 288219, 288222, 288223, 288233, 288236, 288238, 288240, 288249, 288254, 288255, 288256, 288265, 288268, 288270, 288271, 288273, 288275, 288279, 288284, 288286, 288290, 288291, 288299, 288301, 288303, 288309, 288310, 288320, 288324, 288331, 288332, 288334, 288335, 288336, 288340, 288349, 288820, 288822, 288828, 288832, 288834, 288836, 288837, 288839, 288841, 288843, 288847, 288848, 288849, 288859, 288894, 288971, 288994, 288996, 289017, 289020, 289026, 289032, 289052, 289055, 289066, 289074, 289077, 289115, 289140, 289155, 289160, 289486, 289491, 289500, 289501, 289505, 289565, 289593, 289651, 289660, 289671, 289678, 289680, 289682, 289683, 289700, 289709, 289715, 289717, 289731, 289738, 289747, 289748, 289749, 289751, 289755, 289757, 289759, 289763, 289768, 289775, 289777, 289780, 289781, 289793, 289794, 289798, 289808, 289830, 289924, 289926, 289928, 289936, 290012, 290127, 290128, 290129, 290132, 290133, 290135, 290136, 290137, 290140, 290141, 290142, 290143, 290147, 290148, 290149, 290150, 290151, 290152, 290153, 290154, 290155, 290156, 290158, 290159, 290160, 290161, 290162, 290163, 290164, 290165, 290179, 290180, 290182, 290183, 290184, 290187, 290191, 290192, 290195, 290197, 290199, 290200, 290201, 290202, 290203, 290204, 290205, 290206, 290207, 290210, 290212, 290216, 290217, 290218, 290219, 290220, 290223, 290224, 290225, 290230, 290232, 290233, 290235, 290238, 290239, 290240, 290241, 290248, 290249, 290250, 290251, 290253, 290254, 290258, 290262, 290263, 290264, 290268, 290269, 290270, 290272, 290273, 290275, 290277, 290278, 290281, 290283, 290285, 290286, 290288, 290292, 290293, 290295, 290296, 290297, 290298, 290299, 290300, 290301, 290302, 290305, 290306, 290307, 290309, 290310, 290311, 290312, 290313, 290314, 290315, 290317, 290318, 290319, 290320, 290321, 290322, 290324, 290327, 290365, 290370, 290380, 290381, 290383, 290384, 290397, 290408, 290409, 290410, 290413, 290414, 290452, 290454, 290455, 290458, 290460, 290461, 290462, 290463, 290464, 290466, 290467, 290469, 290470, 290471, 290473, 290498, 290517, 290531, 290535, 290538, 290540, 290544, 290545, 290546, 290547, 290548, 290549, 290550, 290553, 290555, 290556, 290560, 290561, 290564, 290565, 290570, 290571, 290574, 290578, 290583, 290585, 290588, 290589, 290590, 290596, 290598, 290601, 290606, 290608, 290609, 290611, 290612, 290613, 290614, 290615, 290616, 290617, 290618, 290619, 290621, 290623, 290627, 290628, 290630, 290631, 290632, 290633, 290634, 290635, 290638, 290639, 290641, 290642, 290644, 290647, 290648, 290649, 290650, 290651, 290652, 290653, 290654, 290656, 290657, 290658, 290659, 290660, 290661, 290662, 290664, 290665, 290666, 290667, 290668, 290670, 290671, 290672, 290673, 290674, 290676, 290677, 290678, 290679, 290680, 290681, 290682, 290683, 290684, 290685, 290686, 290687, 290688, 290689, 290690, 290691, 290704, 290705, 290707, 290709, 290710, 290711, 290712, 290713, 290714, 290715, 290716, 290717, 290718, 290719, 290720, 290721, 290722, 290723, 290724, 290725, 290726, 290727, 290728, 290730, 290731, 290732, 290733, 290734, 290735, 290736, 290737, 290738, 290739, 290740, 290741, 290742, 290744, 290745, 290746, 290748, 290751, 290753, 290754, 290756, 290759, 290760, 290761, 290762, 290763, 290766, 290767, 290768, 290769, 290770, 290771, 290772, 290773, 290775, 290776, 290777, 290778, 290779, 290780, 290781, 290782, 290783, 290784, 290785, 290786, 290787, 290791, 290793, 290796, 290797, 290798, 290799, 290801, 290803, 290804, 290805, 290806, 290807, 290808, 290809, 290811, 290812, 290814, 290815, 290816, 290817, 290818, 290819, 290820, 290821, 290823, 290824, 290826, 290827, 290829, 290831, 290832, 290833, 290835, 290836, 290837, 290838, 290839, 290842, 290843, 290844, 290846, 290847, 290849, 290850, 290851, 290852, 290853, 290854, 290855, 290856, 290857, 290860, 290861, 290863, 290865, 290866, 290868, 290869, 290904, 290926, 290962, 290963, 290964, 290965, 290966, 290971, 290974, 290975, 290976, 290977, 290984, 290987, 290989, 290997, 290999, 291000, 291003, 291006, 291007, 291008, 291010, 291012, 291014, 291016, 291018, 291021, 291022, 291024, 291025, 291026, 291027, 291031, 291036, 291037, 291038, 291039, 291040, 291044, 291045, 291046, 291047, 291048, 291050, 291056, 291057, 291060, 291074, 291114, 291117, 291119, 291120, 291450, 291467, 291488, 291499, 291515, 291698, 291881, 292196, 292220, 292574, 292685, 293128, 293223, 293224, 293310, 293459, 293463, 293560, 293577, 293863, 293864, 293978, 294028, 294339, 294648, 294690, 294905, 297368, 297909, 299155, 299449, 299584, 299589, 299658, 299666, 299667, 299670, 299702, 299985, 301776, 301777, 301784, 307017, 307270, 307271, 307327, 307549, 308269, 310363, 310590, 311018, 311037, 311055.
- 76 Jun 14. Banff, Alberta, Canada.** International conference on liquid scintillation science and technology. 284265.
- 76 Jun 14. Columbus, Ohio, USA.** 31. symposium on molecular spectroscopy. 280668.
- 76 Jun 14. Garmisch-Partenkirchen, Germany, F.R.** 9. Symposium on fusion technology. 279846, 279903, 279967, 279990, 279992, 282361, 288214, 288305, 291497, 294336, 294467, 300341, 300342, 300345, 300363, 300384, 300386, 300394, 302295.
- 76 Jun 14. Reno, Nevada, USA.** 31. annual northwest regional American Chemical Society meeting. 289130, 305580.
- 76 Jun 15. London, UK.** Symposium on uranium supply and demand. 296028.
- 76 Jun 15. Pittsburgh, Pennsylvania, USA.** Joint international magnetics and magnetism and magnetic materials intermag conference. 283409, 290428.
- 76 Jun 17. Laramie, Wyoming, USA.** Rocky Mountain regional meeting of the American Chemical Society. 292183.
- 76 Jun 17. Pretoria, South Africa.** Symposium on radiation processing. 302929, 303076, 303174, 303188, 303360.
- 76 Jun 17. Wuerzburg, Germany, F.R.** Symposium for silicate research. 301051.
- 76 Jun 20. Blacksburg, Virginia, USA.** 2. international conference on numerical methods in geomechanics. 306585.
- 76 Jun 20. Frankfurt am Main, Germany, F.R.** 18. exhibition of chemical apparatus.ACHEMA '76. 311211.
- 76 Jun 21. Davis, California, USA.** 25. Heat Transfer and Fluid Mechanics Institute Meeting. 284020, 306483, 306560, 307217.
- 76 Jun 21. San Juan, Puerto Rico.** International conference on colloids and surfaces. 286244.
- 76 Jun 21. Savannah, Georgia, USA.** American Society of Limnology and Oceanography meeting. 283497, 286645.
- 76 Jun 21. Tutzing, Germany, F.R.** 7. international colloquium on multiparticle reactions. 297878.
- 76 Jun 22. Erice, Italy.** NATO Advanced Study Institute on structure and evolution of galaxies. 280089.
- 76 Jun 22. Saclay, France.** 19. Colloquium on metallurgy. Diffusion in condensed mediums. Theory and applications. 291293, 291303, 291340, 291387, 292740, 298546, 300980, 301015, 302264, 302877, 303004, 303009, 303029, 310103.
- 76 Jun 23. Eindhoven, Netherlands.** 4. international symposium on surface physics 'The solid vacuum interface'. 302233, 302234, 302235, 302236, 302238, 302239, 302245, 302246, 302248, 302249, 302254, 302266, 302271, 302272, 302277, 302915.
- 76 Jun 23. Seattle, Washington, USA.** 17. annual meeting of the Institute of Nuclear Materials Management, Inc. 284452, 284470, 289133, 294029, 297107, 298512, 299294, 299974, 300004, 300006, 300007, 300008, 300009, 300010, 300012, 300013, 300014, 300015, 300016, 300017, 300018, 300019, 300021, 300022, 300023, 300026, 300027, 300028, 300029, 300030, 300031, 300032, 300033, 300034, 300035, 300036, 300037, 300038, 300039, 300040, 300041, 300042, 300043, 300044, 300045, 300046, 300047, 300048, 300049, 300050, 300051, 300052, 300053, 300054, 300055, 300056, 300057, 300058, 300059, 300060, 300061, 300062, 300063, 300064, 300065, 300066, 300067, 300068, 300069, 300070, 300071, 300072, 300073, 300074, 300075, 300076, 300077, 300078, 300079, 300080, 300081, 300082, 300083, 300084, 300085, 300086, 300087, 300088, 300089, 300090, 300091, 300092, 300093, 300094, 300095, 300096, 300097, 300098, 300099, 300100, 300101, 300102, 300103, 300104, 300105, 300106, 300107, 300108, 300109, 300110, 300111, 300112, 300113, 300114, 300115, 300116, 300117, 300118, 300119, 300120, 300121, 300122, 300123, 300124, 300125, 300126, 300127, 300128, 300129, 300130, 300131, 300132, 300133, 300134, 300135, 300136, 300137, 300138, 300139, 300140, 300141, 300142, 300143, 300144, 300145, 300146, 300147, 300148, 300149, 300150, 300151, 300152, 300153, 300154, 300155, 300156, 300157, 300158, 300159, 300160, 300161, 300162, 300163, 300164, 300165, 300166, 300167, 300168, 300169, 300170, 300171, 300172, 300173, 300174, 300175, 300176, 300177, 300178, 300179, 300180, 300181, 300182, 300183, 300184, 300185, 300186, 300187, 300188, 300189, 300190, 300191, 300192, 300193, 300194, 300195, 300196, 300197, 300198, 300199, 300200, 300201, 300202, 300203, 300204, 300205, 300206, 300207, 300208, 300209, 300210, 300211, 300212, 300213, 300214, 300215, 300216, 300217, 300218, 300219, 300220, 300221, 300222, 300223, 300224, 300225, 300226, 300227, 300228, 300229, 300230, 300231, 300232, 300233, 300234, 300235, 300236, 300237, 300238, 300239, 300240, 300241, 300242, 300243, 300244, 300245, 300246, 300247, 300248, 300249, 300250, 300251, 300252, 300253, 300254, 300255, 300256, 300257, 300258, 300259, 300260, 300261, 300262, 300263, 300264, 300265, 300266, 300267, 300268, 300269, 300270, 300271, 300272, 300273, 300274, 300275, 300276, 300277, 300278, 300279, 300280, 300281, 300282, 300283, 300284, 300285, 300286, 300287, 300288, 300289, 300290, 300291, 300292, 300293, 300294, 300295, 300296, 300297, 300298, 300299, 300300, 300301, 300302, 300303, 300304, 300305, 300306, 300307, 300308, 300309, 300310, 300311, 300312, 300313, 300314, 300315, 300316, 300317, 300318, 300319, 300320, 300321, 300322, 300323, 300324, 300325, 300326, 300327, 300328, 300329, 300330, 300331, 300332, 300333, 300334, 300335, 300336, 300337, 300338, 300339, 300340, 300341, 300342, 300343, 300344, 300345, 300346, 300347, 300348, 300349, 300350, 300351, 300352, 300353, 300354, 300355, 300356, 300357, 300358, 300359, 300360, 300361, 300362, 300363, 300364, 300365, 300366, 300367, 300368, 300369, 300370, 300371, 300372, 300373, 300374, 300375, 300376, 300377, 300378, 300379, 300380, 300381, 300382, 300383, 300384, 300385, 300386, 300387, 300388, 300389, 300390, 300391, 300392, 300393, 300394, 300395, 300396, 300397, 300398, 300399, 300400, 300401, 300402, 300403, 300404, 300405, 300406, 300407, 300408, 300409, 300410, 300411, 300412, 300413, 300414, 300415, 300416, 300417, 300418, 300419, 300420, 300421, 300422, 300423, 300424, 300425, 300426, 300427, 300428, 300429, 300430, 300431, 300432, 300433, 300434, 300435, 300436, 300437, 300438, 300439, 300440, 300441, 300442, 300443, 300444, 300445, 300446, 300447, 300448, 300449, 300450, 300451, 300452, 300453, 300454, 300455, 300456, 300457, 300458, 300459, 300460, 300461, 300462, 300463, 300464, 300465, 300466, 300467, 300468, 300469, 300470, 300471, 300472, 300473, 300474, 300475, 300476, 300477, 300478, 300479, 300480, 300481, 300482, 300483, 300484, 300485, 300486, 300487, 300488, 300489, 300490, 300491, 300492, 300493, 300494, 300495, 300496, 300497, 300498, 300499, 300500, 300501, 300502, 300503, 300504, 300505, 300506, 300507, 300508, 300509, 300510, 300511, 300512, 300513, 300514, 300515, 300516, 300517, 300518, 300519, 300520, 300521, 300522, 300523, 300524, 300525, 300526, 300527, 300528, 300529, 300530, 300531, 300532, 300533, 300534, 300535, 300536, 300537, 300538, 300539, 300540, 300541, 300542, 300543, 300544, 300545, 300546, 300547, 300548, 300549, 300550, 300551, 300552, 300553, 300554, 300555, 300556, 300557, 300558, 300559, 300560, 300561, 300562, 300563, 300564, 300565, 300566, 300567, 300568, 300569, 300570, 300571, 300572, 300573, 300574, 300575, 300576, 300577, 300578, 300579, 300580, 300581, 300582, 300583, 300584, 300585, 300586, 300587, 300588, 300589, 300590, 300591, 300592, 300593, 300594, 300595, 300596, 300597, 300598, 300599, 300600, 300601, 300602, 300603, 300604, 300605, 300606, 300607, 300608, 300609, 300610, 300611, 300612, 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- 312445, 312452, 312453, 312454, 313284, 313322, 313329, 313342, 313385.
- 76 Jun 27. **San Francisco, California, USA.** Health Physics Society meeting. 293305, 298946, 298986.
- 76 Jun 27. **San Francisco, California, USA.** 24. annual meeting of Radiation research society. 312667.
- 76 Jun 28. **Amsterdam, Netherlands.** 1. World congress on chemical engineering. 313332.
- 76 Jun 28. **Argonne, Illinois, USA.** Specialists meeting on fast neutron fission cross sections of  $^{235}\text{U}$ ,  $^{235}\text{U}$ ,  $^{238}\text{U}$  and  $^{239}\text{Pu}$ . 280393, 282635, 288999, 289006, 305404, 309286, 309287.
- 76 Jun 28. **Aspen, Colorado, USA.** Fermilab study of the doubler as collider. 310815.
- 76 Jun 28. **Baden-Baden, Germany, F.R.** International meeting Carbon 76. Chemistry, physics, technology. 299517.
- 76 Jun 28. **Boulder, Colorado, USA.** 5. CODATA conference. 290211, 291104, 299998, 306708.
- 76 Jun 28. **Grenoble, France.** 3. International meeting on theoretical and experimental aspects of heating of toroidal plasmas. 279978, 284962, 284986, 297403, 297427, 297450, 297514, 297528, 297536, 297540, 300300, 300307, 300312, 300315, 300318, 300330, 300331, 300337, 300343, 300346, 300348, 300366, 300369, 300383, 300393, 300397, 300401, 300402, 300406, 300413, 300414, 308213, 308237, 308240, 308245, 308247, 308259, 308281, 308287, 308318, 308327, 308383, 308402, 308404, 308406, 308407, 308425, 308426, 308431, 308435, 308437, 308449, 311643.
- 76 Jun 28. **Lyon, France.** International symposium on spectroscopy of transition and heavy elements in solids. 300181, 312215.
- 76 Jun 29. **Brighton, UK.** Topical conference on weak interactions. 297777, 304903, 304920, 304966, 304992, 311933, 311975.
- 76 Jun 29. **Dimitrovgrad, USSR.** All-union conference on chemistry of transplutonium elements (americium, curium, berkelium, californium). 295433, 295434, 295435, 295436, 295437, 295438, 295441, 295442, 295443, 295444, 295449, 295450, 295451, 295454, 295456, 295457, 295459, 295460, 295461, 295462, 295463, 295464, 295467, 295468, 295470, 295471, 295472, 295474, 295475, 295477, 295479, 295480, 295481, 295483, 295486, 295488, 295489, 295490, 295491, 295492, 295493, 295494, 295495, 295497, 295498, 295583, 295989, 296973, 298413, 298416, 300878, 300882, 300884, 300897, 300917.
- 76 Jun 29. **Strasbourg, France.** 2. International symposium on cadmium telluride: physical properties and applications. 293907, 308121, 308127, 308145, 309966, 309971, 309986, 309995, 310000, 310008, 310009, 310012, 310015, 310019, 310023, 310027, 310036, 310050, 310051, 310053, 310054, 310056, 310062, 310063, 311072, 311085, 311089, 311093, 311102, 311123, 311126, 311129, 311131, 311148, 311149, 311166, 311177, 311189, 311198.
- 76 Jun 30. **Chicago, Illinois, USA.** Symposium on evaluating and controlling the corrosive effects of chlorides on reinforced steel in concrete. 289529.
- 76 Jul 4. **Tilton, New Hampshire, USA.** Gordon research conference on high temperature chemistry. 307227.
- 76 Jul 5. **Konstanz, Germany, F.R.** Scientific meeting of the Gesellschaft fuer Thermische Analyse e.V. 285922.
- 76 Jul 5. **Leeds, UK.** 5. international conference on non-aqueous solutions. 312192.
- 76 Jul 5. **Montreal, Quebec, Canada.** 5. international colloquium in group theoretical methods in physics. 311383, 311391, 311963.
- 76 Jul 5. **Oxford, UK.** Topical conference on Baryon resonances. 285530, 291829, 297770, 297774, 297775, 297781, 297782, 297784, 297785, 297786, 297799, 297801, 297802, 297804, 297807, 297819, 297820, 297822, 297824, 297827, 297833, 297836, 297839, 297843, 297844, 297845, 297853, 297860, 297861, 297862, 297866, 297869, 297874, 297884, 297885, 297887, 297889, 297891, 297893, 297894, 297903, 300538, 300553.
- 76 Jul 5. **Taipei, Taiwan.** Modern engineering technology seminar. 284146.
- 76 Jul 6. **Lowell, Massachusetts, USA.** International conference on the interactions of neutrons with nuclei. 290396, 308360, 308729, 309069, 309071, 309073, 309095, 309108, 309129, 309130, 309134, 309136, 309157, 309165, 309173, 309183, 309185, 309186, 309192, 309210, 309221, 309234, 309258, 309274, 309294, 309306, 309316, 309322, 309340, 309366, 309377, 309380, 309393, 309405, 309422, 309437, 309458, 309469, 309897, 309999, 310274, 310382, 310758, 310819, 310824, 310929, 311063, 311199.
- 76 Jul 8. **London, UK.** Nuclear power and the public interest - the implication for business. 281369, 283826, 283829, 283832, 283841, 284396, 284398, 284399, 284402, 284403, 284406, 284407, 284410, 284411, 284412, 284415, 284417, 290178.
- 76 Jul 9. **Santa Barbara, California, USA.** Conference on the study of Democratic Institutions. 281350.
- 76 Jul 9. **Stockholm, Sweden.** European symposium on antineutrino-nucleon reactions. 288779, 297875, 300559, 302639.
- 76 Jul 11. **Denver, Colorado, USA.** International symposium on management of waste from the LWR fuel cycle. 281959, 281969, 284386, 284387, 287763, 290465, 290972, 291030, 296829, 297022, 297024, 297040, 299914, 299930, 301098, 306762, 312299, 312306, 312557, 312565, 312670, 312695, 312898, 313043, 313044, 313519, 313520, 313521, 313522, 313523, 313524, 313525, 313526, 313527, 313528, 313529, 313530, 313531, 313532, 313533, 313534, 313535, 313539, 313541, 313557, 313562, 313564, 313565, 313566, 313568, 313570, 313576, 313577, 313630.
- 76 Jul 12. **Cargese, Corsica, France.** Summer institute for theoretical physics. 300113.
- 76 Jul 12. **Vail, Colorado, USA.** 5. international pyrotechnics seminar. 284019.
- 76 Jul 13. **Boulder, Colorado, USA.** Symposium on optical materials for high power lasers. 283415, 283421, 283432, 292696.
- 76 Jul 13. **Livermore, California, USA.** Joint US-USSR symposium on fusion fission reactor. 288266, 294324, 294397, 294427, 294450, 297420, 297484, 304520, 311655, 311660, 311663, 311687, 311707, 311718, 311719, 311729, 311752, 311753, 311762, 311764, 311774, 311784, 311799.
- 76 Jul 14. **San Diego, California, USA.** 11. thermophysics conference. 288185.
- 76 Jul 14. **San Diego, California, USA.** 9. AIAA fluid and dynamics conference. 310762.
- 76 Jul 15. **Tbilisi, USSR.** 18. international conference on high energy physics. 285503, 285511, 285519, 288585, 288799, 291728, 291746, 291831, 291832, 294751, 294754, 294770, 297767, 297897, 297900, 300537, 302654, 311938, 311939.
- 76 Jul 18. **Aspen, Colorado, USA.** 10. international symposium on rarefied gas dynamics. 282162, 304253, 312933, 312951.
- 76 Jul 18. **Denver, Colorado, USA.** Conference on land use and nuclear facility siting: current issues. 283860.
- 76 Jul 18. **Vail, Colorado, USA.** 12. rare earth research conference. 312359.
- 76 Jul 19. **Bad Honnef, Germany, F.R.** Discussion meeting 'Jahn-Teller effect in crystals'. 282291.
- 76 Jul 19. **Burlington, Vermont, USA.** American Association of Physicists in medicine dosimetry summer school. 288857.
- 76 Jul 19. **Dubna, USSR.** Advisory group meeting on the technology of inertial confinement experiments. 282344, 288304.
- 76 Jul 25. **Ottawa, Ontario, Canada.** 4. international conference on medical physics. 312602.
- 76 Jul 25. **Seattle, Washington, USA.** 9. Annual International Metallographic Society meeting. 283213, 286460, 289550, 296621.
- 76 Jul 26. **Berkeley, California, USA.** 5. international conference on atomic physics. 282339, 304067, 304233.
- 76 Jul 26. **San Diego, California, USA.** IEEE annual conference on nuclear and space radiation effects. 284367, 284368, 284369, 305026.
- 76 Jul 26. **Tuebingen, Germany, F.R.** European colloquium on hypothalamic hormones. 300886.
- 76 Jul 27. **Lafayette, Indiana, USA.** Joint automatic control conference. 281474.
- 76 Aug 1. **Toronto, Ontario, Canada.** 12. international congress on high speed photography. 282384, 288161, 288162, 288163, 296927, 297421.
- 76 Aug 2. **Otaniemi, Finland.** Symposium on the design of and equipment for hot laboratories. 290214.
- 76 Aug 2. **Ottawa, Ontario, Canada.** 11. International conference on medical and biological engineering and exhibit. 299827.
- 76 Aug 2. **Plymouth, New Hampshire, USA.** Gordon research conference on glass. 313540.
- 76 Aug 2. **Stanford, California, USA.** Conference on particle physics. 309036, 311979.
- 76 Aug 2. **Sun Valley, Idaho, USA.** 14. US ERDA air cleaning conference. 280588, 280849, 281412, 281958, 281962, 283868, 284095, 284377, 286664, 290257, 290331, 290332, 290994, 291002, 296356, 297036, 305678, 305779, 307152, 307518, 310229, 310582.
- 76 Aug 3. **Denver, Colorado, USA.** 25. annual x-ray conference. 309494, 312121.
- 76 Aug 3. **Toronto, Ontario, Canada.** Specialists' meeting on transient two-phase flow. 283851, 301568.
- 76 Aug 5. **Sun Valley, Idaho, USA.** Meeting on controlling airborne effluents from fuel cycle plants. 281141, 281174, 281379, 281965, 281972, 283525, 295595, 295599, 298499, 298506, 298507, 298511, 299231, 299237, 299928, 303292.
- 76 Aug 8. **Pensacola, Florida, USA.** Monsanto process computer symposium. 293592.
- 76 Aug 8. **St. Louis, Missouri, USA.** National heat transfer conference. 279881, 279883, 279884, 281394, 284216, 304440.
- 76 Aug 9. **Boulder, Colorado, USA.** Proceedings of V international conference on ion implantation in semiconductors and other materials. 293034, 293039, 293095.
- 76 Aug 9. **Dresden, German Democratic Republic.** Symposium on atmospheric ozone/atmospheric chemistry and global pollution. 290244.
- 76 Aug 9. **Miami Beach, Florida, USA.** 34. Electron Microscopy Society of America annual meeting. 288860, 291015.
- 76 Aug 9. **Plymouth, New Hampshire, USA.** Gordon research conference on photonuclear reactions. 300656.
- 76 Aug 10. **Quebec, Canada.** Symposium on zirconium nuclear industry. 309685, 312427.
- 76 Aug 16. **Boston, Massachusetts, USA.** 2. international conference on the mechanical behavior of materials, Federation of Materials Societies. 280942, 283284, 283328, 283342, 283360, 284227, 293042, 294223, 309711, 312360.
- 76 Aug 17. **Palo Alto, California, USA.** Applied superconductivity conference. 294389, 296735.
- 76 Aug 17. **Stanford, California, USA.** Applied superconductivity conference. 282350, 288209, 288212, 288221, 288272, 288282, 288313, 289702, 291482, 291498, 291523, 292755, 293639, 293643, 293665, 293675, 293678, 293692, 293698, 294352, 294379, 294426, 294453, 295615, 295701, 295855, 295943, 296674, 298614, 299453, 305851, 305860, 305871, 306820, 306821, 306822, 306823, 306899, 309980.
- 76 Aug 20. **Pretoria, South Africa.** Short course on uranium prospecting techniques. 312457, 312458, 312476, 312518, 312523.
- 76 Aug 22. **Teheran, Iran.** The 14. Congress on Dentistry. 306611.



- 76 Aug 23. Argonne, Illinois, USA. Symposium on high energy physics with polarized beams and targets. 297856.
- 76 Aug 23. Boston, Massachusetts, USA. Annual meeting of the American Statistical Association. 310126.
- 76 Aug 23. Helsingør, Denmark. 4. international conference on positron annihilation. 305840.
- 76 Aug 23. Lund, Sweden. international conference on particle induced x-ray emission and its analytical applications. 306692, 306693.
- 76 Aug 23. San Diego, California, USA. 20. annual SPIE technical symposium. 282385, 282390, 288328, 290363, 293546, 293550, 294347, 294410, 298518, 299017, 304127, 308333.
- 76 Aug 23. Vienna, Austria. Symposium on the design, construction and testing of packaging for the safe transport of radioactive materials. 281560, 281561, 281571, 287077, 287231, 287237, 287238, 290453, 290457, 293657, 296693, 296700, 301369, 306756, 313040.
- 76 Aug 24. Berkeley, California, USA. 6. international symposium - ceramic microstructures 176. 309956, 309964, 312369, 312378.
- 76 Aug 24. Haifa, Israel. Haifa international workshop on topics in atomic physics related to nuclear instrumentation. 284930.
- 76 Aug 24. Raquette Lake, New York, USA. 23. sagsamore army materials research conference. 310898, 310899.
- 76 Aug 24. San Diego, California, USA. 6. symposium on detonation. 284018.
- 76 Aug 25. Troy, New York, USA. 2. international symposium on amorphous magnetism. 297931, 311462.
- 76 Aug 27. Atlantic City, New Jersey, USA. Meeting of the American Institute of Chemical Engineers. 283205, 283228, 283229, 289524, 296865, 309633.
- 76 Aug 27. Dubrovnik, Yugoslavia. 8. International school and symposium on the physics of ionized gases. 300325.
- 76 Aug 28. Cambridge, United Kingdom of Great Britain and Northern Ireland (UK). 2. symposium on recent research in Mesoamerican archaeology. 312083.
- 76 Aug 28. Karlsruhe, Germany, F.R. 28. therapy congress and 28. pharmaceutical exhibition. 301280, 310518.
- 76 Aug 29. Atlanta City, N.J., USA. 82. Congress of the American Institute of Chemical Engineers. 300959.
- 76 Aug 29. Rome, Italy. 7. international congress on photobiology. 312691.
- 76 Aug 29. San Francisco, California, USA. American Chemical Society meeting. 281349, 281352, 282692, 290973, 291049.
- 76 Aug 29. San Francisco, California, USA. American Chemical Society national meeting. 298126.
- 76 Aug 30. Berlin, Germany, F.R. 2. euromaterial topical conference on lattice defects in ionic crystals. 286521, 293102, 300151, 300154, 300155, 300156, 300159, 300161, 300163, 300164, 300166, 300167, 300169, 300170, 300171, 300174, 300175, 300176, 300177, 300178, 300179, 300180, 300189, 300191, 300193, 300197, 300198, 300199, 300201, 300203, 300204, 300205, 300206, 300207, 300208, 300209, 300210, 300216, 300218, 300219, 300223, 300225, 300227, 300228, 300229, 300230, 300231, 300237, 300240, 300241, 300242, 300244, 300245, 300248, 300252, 300257, 300258, 300262, 300266, 300269, 300274, 300275, 300276, 300277, 300278, 300279, 300280, 300282, 300284, 300285, 300287, 300288, 300291, 300827, 300842, 300952, 301046, 301058, 301077, 301078, 304267, 305662, 311517, 311542, 311583, 311590, 311596, 311601, 311605, 311606, 312251, 313459.
- 76 Aug 30. Florence, Italy. 7. International mass spectrometry conference. 300759, 300768, 312884.
- 76 Aug 30. Mikolajki, Poland. 9. summer school on nuclear physics. 305096.
- 76 Aug 30. Nancy, France. 4. International conference on the strength of metals and alloys. 298600, 300974, 300975, 300977, 300978, 300981, 300983, 300988, 300992, 300996, 300999, 301000, 301004, 301014, 301016, 301018, 301021, 301022, 301027, 301029, 301035, 301038, 301042, 301044, 301079, 301083, 303006, 303010, 303024, 303026, 303027, 303031, 303035, 303036, 303038, 303039, 303053, 303059, 303061, 303070, 303071, 303077, 303089, 303093.
- 76 Aug 30. New York, New York, USA. 71. annual meeting of the American Sociological Association. 310594.
- 76 Aug 30. Siofok, Hungary. Conference on organic conductors and semiconductors. 312149.
- 76 Sep 1. Zurich, Switzerland. 2. international conference on the crystal field effects in metals and alloys. 281026.
- 76 Sep 3. Lancaster, UK. Annual meeting of the British Association for the Advancement of Science. 297068.
- 76 Sep 5. Banff, Alberta, Canada. International conference on electrons in fluids. 297349.
- 76 Sep 5. Sydney, Australia. 1. Asia and Oceania congress of nuclear medicine. 310468.
- 76 Sep 6. Amsterdam, Netherlands. International conference on magnetism. 280901, 283282, 283413, 289551, 289622, 292987, 293016, 295940, 300152, 300153, 304259, 304264, 305983.
- 76 Sep 6. Bari, Italy. Conference on liquid semiconductors and metals. 309988.
- 76 Sep 6. Caen, France. European conference on nuclear physics with heavy ions. 291879, 291882, 291884, 291886, 291888, 291889, 291890, 291892, 291895, 291896, 291897, 291898, 291900, 291901, 291903, 291906, 291907, 291908, 291910, 291913, 291914, 291915, 291916, 291918, 291919, 291922, 291924, 291925, 291926, 291927, 291928, 291929, 291932, 291933, 291939, 291942, 291943, 291944, 291945, 291946, 291947, 291948, 291949, 291952, 291956, 291957, 291959, 291964, 291965, 291966, 291968, 291972, 291973, 291974, 291975, 291976, 291977, 291981, 291982, 291984, 291985, 291993, 292000, 292002, 292003, 292004, 292005, 292006, 292007, 292008, 292009, 292011, 292012, 292013, 292014, 292015, 292016, 292017, 292018, 292019, 292020, 292021, 292022, 292024, 292025, 292027, 292030, 292031, 292032, 292033, 292035, 292036, 292037, 292038, 292039, 292040, 292041, 292042, 292043, 292044, 292048, 292049, 292050, 292051, 292054, 292055, 292056, 292058, 292059, 292060, 292061, 292062, 292063, 292064, 292065, 292066, 292067, 292070, 292075, 292076, 292077, 292078, 292080, 292082, 292084, 292085, 292086, 292088, 292089, 292090, 292092, 292093, 292094, 292096, 292097, 292099, 292100, 292102, 292103, 292104, 292105, 292109, 292110, 292112, 292113, 292114, 292116, 292121, 292122, 292123, 292124, 292125, 292126, 292128, 292131, 292132, 292133, 292134, 292135, 292136, 292141, 292144, 292145, 292146, 292149, 292150, 293664, 293682, 293894, 294890, 294903, 294979, 294999, 296917, 297946, 297982, 298040, 298082, 298085, 298103, 300575, 300577, 300580, 300592, 300621, 300644, 300685, 300687, 301599, 301609, 301615, 301616, 301631, 302757, 305088, 305089, 305198, 305224, 305228, 305372, 307366.
- 76 Sep 6. Cannes, France. 8. World conference on nondestructive testing. 293804, 299511, 299516, 299524, 299527, 299615, 299709, 301811, 303355, 303425, 303427, 303428, 303429, 303432, 303433, 303434, 303435, 303442, 303443, 303445, 303448, 303451, 303452, 303453, 303455, 303457, 310684, 310873, 310875, 310878, 310879, 310880, 310881, 310882, 310883, 310884, 310886, 310887, 310888, 310889, 310890, 310891, 310892, 310893, 310894, 310895, 310896, 310897, 310900, 310901, 310902, 310903, 310904, 310905, 310906, 310908, 310910, 310911, 310912, 310913, 310915, 310916, 310918, 310919, 310920, 310922, 310923, 310924, 310947, 311006, 311065, 311216, 311221, 312957, 312991, 313088, 313089, 313090, 313092, 313093, 313096, 313097, 313098, 313099, 313100, 313105, 313106, 313107, 313109, 313110, 313111, 313112, 313114, 313116, 313117, 313485, 313503.
- 76 Sep 6. Hamburg, Germany, F.R. 17. international conference on coordination chemistry. 298390, 298418, 312171.
- 76 Sep 6. Karlsruhe, Germany, F.R. Euromech-colloquium-80 on separation phenomena in gas mixture flows. 287099, 287161, 287162, 287175, 292282, 301496.
- 76 Sep 6. Karlsruhe, Germany, F.R. IAEA international training course on nuclear power project planning and implementation. 312020, 312049, 312564, 312943, 312948, 313186, 313244, 313257, 313544, 313598.
- 76 Sep 6. Varenna, Italy. 3. Symposium on plasma heating in toroidal devices. 308241, 308246, 311648, 311659, 311664, 311694, 311695, 311699, 311785.
- 76 Sep 6. Zurich, Switzerland. 27. Meeting of the International Society of Electrochemistry. 302938.
- 76 Sep 7. Amsterdam, Netherlands. 3. international symposium on analytical pyrolysis. 312132.
- 76 Sep 7. Aspen, Colorado, USA. 3. colloquium on electronic transition lasers. 309604, 312185.
- 76 Sep 7. Stuttgart, Germany, F.R. VGB congress on power plants and general meeting. 303530.
- 76 Sep 8. Brighton, UK. Faraday discussion on potential energy surfaces. 287967.
- 76 Sep 8. Upton, New York, USA. Conference on structural analysis needs for magnetic fusion energy super conducting magnets. 311642.
- 76 Sep 9. Aarhus, Denmark. 10. Scandinavian conference on gastroenterology. 303148, 303183.
- 76 Sep 9. Homburg/Saar, Germany, F.R. 13. annual meeting of the Deutsche Gesellschaft fuer Neuroradiologie. 296421, 301284, 303190, 306347.
- 76 Sep 9. Tomakomai, Japan. Oji seminar of the Japan Society for the Promotion of Science. 304309.
- 76 Sep 12. Bar Harbor, Maine, USA. Conference on genetic effects on aging. 312661.
- 76 Sep 12. Lake Tahoe, Nevada, US. 11. intersociety energy conversion engineering conference. 311070.
- 76 Sep 12. State Line, Nevada, USA. 11. intersociety energy conversion engineering conference. 287532, 293788, 293868, 304418, 304444, 304455, 304497, 304539, 304870, 306445, 306666, 306669, 306670, 306671, 306674, 306675, 306676, 306677, 306681, 306682, 306683, 306687, 306689, 307071, 307073, 307078, 307087, 307088, 307195, 307336, 307343, 307346, 307347, 307597, 310732.
- 76 Sep 13. Braunschweig, Germany, F.R. 54. annual meeting of the Deutsche Mineralogische Gesellschaft and 16. discussion meeting of the Arbeitsgemeinschaft Kristallographie of the DMG, DPG and GDCh. 294243, 304275, 310135, 310148.
- 76 Sep 13. Clausthal-Zellerfeld, Germany, F.R. 4. international conference on the physics of non-crystalline solids. 289796, 297365, 297378, 297391, 302247.
- 76 Sep 13. Corfu, Greece. International conference on the applications of the Mossbauer effect. 297327, 309566, 309929, 312196, 312325.
- 76 Sep 13. Koenigstein, Germany, F.R. General discussion on energy transfer processes in chemical reactions. 294181, 304145, 312212.
- 76 Sep 13. Muenchen, Germany, F.R. 1976 International conference: modern trends in activation analysis. 280538, 285906, 285955, 292165, 292198, 300739, 300748, 300760, 300793, 300794, 302870, 310145.
- 76 Sep 13. Muenchen, Germany, F.R. 6. European solid state device research conference. 286545, 293966, 299856.
- 76 Sep 13. Nord-Torpa, Norway. Specialists meeting on the behavior of water reactor fuel elements under accident conditions. 312847.
- 76 Sep 13. San Diego, California, USA. 14. annual safe symposium. 310366.



- 76 Sep 13. **Spaatind, Norway.** CSNI specialist meeting on the behaviour of water reactor fuel elements under accident conditions. 282885, 287541, 301757.
- 76 Sep 13. **Wroclaw, Poland.** 2. international conference on the electronic structures on the actinides. 301069, 309729, 309831, 309921.
- 76 Sep 14. **Bonn, Germany, F.R.** 40. physicists' meeting. 279840, 282595, 285232, 291724, 300485, 311927.
- 76 Sep 14. **Chalk River, Ontario, Canada.** Conference on proton linear accelerator. 308291, 310811, 310817, 310835, 310837, 310838, 310839, 310841, 310842, 310845, 310846, 310850, 310857, 310859, 310860, 310865, 310868, 310869, 313060.
- 76 Sep 14. **Jerusalem, Israel.** 6. European Congress on electron microscopy. 283371.
- 76 Sep 14. **Leeds, UK.** 5. European cosmic ray symposium. 308578.
- 76 Sep 14. **New York, New York, USA.** Electro-optics laser conference and exposition. 308285, 311781, 312167, 312179, 312566.
- 76 Sep 14. **Rome, Italy.** 6. European microwave conference. 290518.
- 76 Sep 14. **Warsaw, Poland.** 2. Symposium on the theory and practice of robots and manipulators (RO.MAN.SY.76). 310805, 310806.
- 76 Sep 15. **Berkeley, California, USA.** Particles and radiation therapy conference. 310362, 310374.
- 76 Sep 15. **Berlin, Germany, F.R.** 14. international annual meeting of the Gesellschaft fuer Nuclearmedizin e.V. 287001, 287080, 287086, 287811.
- 76 Sep 15. **Risoe, Denmark.** 5. Meeting of the European working group on acoustic emission technique. 310921.
- 76 Sep 16. **Aachen, Germany, F.R.** Conference on water: its importance for life and engineering. 298759.
- 76 Sep 17. **Bamberg, Germany, F.R.** Autumn meeting of the Bayerische Roentgensellschaft. 284436, 296432.
- 76 Sep 18. **Berlin, Germany, F.R.** Congress on rational energy utilities in urban systems with specialized exhibition at the German industrial exhibition. 287537, 294002, 310576.
- 76 Sep 19. **Buffalo, New York, USA.** IEEE-ASME joint power generation conference. 311030, 311035.
- 76 Sep 19. **Mexico City, Mexico.** International joint pressure vessels and piping and petroleum mechanical engineering conference. 281359, 281384, 284223, 296469, 307235.
- 76 Sep 20. **Erice, Italy.** 3. course of the Erice summer school on Tokamak fusion reactors for break-even. 308331.
- 76 Sep 20. **Juelich, Germany, F.R.** Technical meeting on nuclear methods in solid state chemistry. 282105, 282184, 282204, 282212, 282215, 282217, 282219, 282225, 282227, 282232, 282233, 282234, 282238, 282243, 282248, 282249, 282256, 282267, 282283, 282284, 282289, 282295, 282301, 282303, 282304, 282317, 282318, 282320, 282625, 282682, 282791, 282860, 282882, 282948, 282949, 283011, 283019, 283020, 283059, 283079, 283098, 283100, 283108, 283120, 283122, 283124, 283125, 283126, 283131, 283132, 283140, 283141, 283215, 283374, 283388, 283440, 284248, 284251, 284258, 284263, 284302, 291357.
- 76 Sep 20. **Karpacz, Poland.** 3. international symposium on specific interactions between molecules or ions. 280605.
- 76 Sep 20. **Neuherberg/Muenchen, Germany, F.R.** 2. international symposium on biological effects of Ra-224. 283700, 286240, 286802, 286803, 286816, 286817, 286818, 286828, 286836, 286844, 286854, 290036, 296232, 296246, 296254, 296266, 298948.
- 76 Sep 20. **Varna, Bulgaria.** 2. national conference on analytical chemistry with international participation. 294439, 295098, 295102, 295103, 295107, 295108, 295109, 295114, 295116, 295123, 295127, 295134, 295136, 295139, 295141, 295142, 295145, 295146, 295150, 295152, 295153, 295154, 295155, 295156, 295162, 295171, 295174, 295183, 295195, 295196, 295201, 295204, 295208, 295209, 295211, 295213, 295215, 295219, 295220, 295222, 295223, 295231, 295233, 295235, 295239, 295241, 295242, 295245, 295248, 295251, 295252, 295258, 298176, 300740, 300749, 300750, 300753, 300765, 300766, 300775, 300781, 300787, 300790, 300792, 302869.
- 76 Sep 20. **White Oak, Maryland, USA.** Pulsed power systems workshop. 308395.
- 76 Sep 21. **Chicago, Illinois, USA.** 23. National vacuum symposium. 281517, 289752, 290492, 297505, 298690.
- 76 Sep 21. **Kiev, Ukrainian SSR.** Structure and tensile properties of steels and alloys. 292729, 292748, 292751, 292788, 292791, 292828, 292893, 292896, 292907, 292957.
- 76 Sep 21. **Richland, Washington, USA.** 2. topical meeting on the technology of controlled nuclear fusion. 294340, 294398, 294402, 294412, 294401, 294724, 294730, 294734, 294745, 294753, 294769, 294776, 294787, 294795, 295710, 295711, 295713, 304329, 304332, 304341, 304344, 304359, 304443, 304459, 304466, 304475, 304482, 304486, 304495, 304522, 304530, 304535, 304540, 306006, 306009, 308289, 308316, 308346, 308356, 308367, 308417, 308418, 308419, 308420, 308422, 308455, 310069, 310100, 311689, 312415.
- 76 Sep 21. **Rio de Janeiro, Brazil.** 20. IAEA general conference. 300051.
- 76 Sep 21. **Upton, New York, USA.** 1. international symposium on radiopharmaceutical chemistry. 309646, 310866.
- 76 Sep 21. **Washington, District of Columbia, USA.** NRC safety technology meeting on inherent retention. 312852.
- 76 Sep 23. **Berlin, Germany, F.R.** Scientific energy seminar within the framework of the German industry exhibition on future energy - trends and alternatives. 287769, 287779, 287780, 287786.
- 76 Sep 23. **Stuttgart, Germany, F.R.** Technical meeting on radiation exposure and damage of reactor components outside the reactor core. 305989, 306014, 306026, 306918, 306995, 307045, 307158, 307193, 307477, 310078, 310948, 311151, 312455, 313292.
- 76 Sep 25. **Denver, Colorado, USA.** 25. annual conference on applications of x-ray analysis. 312107.
- 76 Sep 25. **Muenster, Germany, F.R.** Scientific meeting of the Rheinisch-Westfaelische Roentgensellschaft e.V. 296223.
- 76 Sep 27. **Heidelberg, Germany, F.R.** 19. ampere congress. 305930, 312213.
- 76 Sep 27. **Houston, Texas, USA.** American Society for Nondestructive Testing Flash X-Ray symposium. 287274, 287285, 290442, 290443, 293718, 296619, 309688.
- 76 Sep 27. **Luxembourg, Luxembourg.** Seminar on radiation protection problems in connection with the preparation and use of pharmaceuticals containing radioactive substances. 301469.
- 76 Sep 27. **Miami, Florida, USA.** 8. International thermal spraying conference. 301068.
- 76 Sep 27. **Washington, District of Columbia, USA.** 4. water reactor safety research information meeting. 310581, 312887.
- 76 Sep 28. **Erice, Italy.** International school of fusion technology. 308362.
- 76 Sep 28. **Los Angeles, California, USA.** International telemetry conference. 284455.
- 76 Sep 29. **Duarte, California, USA.** Women at work symposium. 296457.
- 76 Sep 29. **Duesseldorf, Germany, F.R.** Annual meeting of process engineers and 175. meeting of the European Federation of Chemical Engineering. 306706.
- 76 Sep 29. **Moscow, USSR.** 2. symposium on collective methods of acceleration. 313085.
- 76 Sep 29. **Tbilisi, USSR.** School on plasma physics and CTF. 311780.
- 76 Sep 30. **Chicago, Illinois, USA.** Conference on radiation in associated thyroid cancer. 312675.
- 76 Sep 30. **Neuherberg/Muenchen, Germany, F.R.** 9. international conference on solid state nuclear track detectors and meeting of the Working Group on Space Biophysics of the Council of Europe. 283891, 284241, 285130, 285131, 285281, 287585, 287607, 287611, 287617, 287627, 287632, 287664, 291381, 291384, 291560, 291667, 293051, 293125, 293526, 293875, 293877, 293888, 293890, 293891, 293896, 293900, 293909, 293926, 293927, 293930, 293932, 293937, 296027, 296031, 296957, 296975, 296977, 299352, 299834, 299838, 299849, 299850, 299851, 299882, 300448, 301891, 301892, 301906, 301918, 301921, 301931, 301935, 301965, 301968, 301969, 301974, 301975, 302403, 311160, 313450.
- 76 Sep 30. **Paris, France.** 2. European conference on optical fibre communication. 313421.
- 76 Oct. **Chicago, Illinois, USA.** International meeting on fast reactor safety and related physics. 290758, 290858, 293491, 293506, 296470, 296513, 296524, 296526, 296535, 296544, 296550, 296551, 296906, 296907, 296914, 299162, 299197, 299198, 299220, 299777, 301435, 306494, 306577, 310548, 310550, 310578, 310585, 310592, 310608, 310615, 311031, 311045, 311059, 312880, 312883, 313398.
- 76 Oct 3. **Tucson, Arizona, USA.** Symposium on waste management. 297023, 297055, 297056, 297057, 297546.
- 76 Oct 4. **Copenhagen, Denmark.** International total energy congress. 311067.
- 76 Oct 4. **Duesseldorf, Germany, F.R.** Annual meeting of the Deutsche Keramische Gesellschaft e.V. 298640, 305937.
- 76 Oct 4. **Duesseldorf, Germany, F.R.** Conference on thermal turbo-engines. 293651.
- 76 Oct 4. **Lynchburg, Virginia, USA.** American Nuclear Society meeting on x-ray. 312088.
- 76 Oct 4. **Regensburg, Germany, F.R.** Annual meeting of the Deutsche Gesellschaft fuer Biophysik e.V. 301131, 306173, 306213.
- 76 Oct 5. **Aldermaston, United Kingdom of Great Britain and Northern Ireland (UK).** 9. neutron generator symposium. 311210.
- 76 Oct 5. **Dubna, USSR.** 5. all-union national conference on particle accelerators. 299481, 313054, 313078.
- 76 Oct 5. **Livermore, California, USA.** Meeting of IMOG subgroup on gaging. 313377.
- 76 Oct 5. **San Francisco, California, USA.** Annual meeting of the American Society for Information Science. 306019.
- 76 Oct 5. **Stuttgart, Germany, F.R.** Technical meeting on industrial metrology. 291107, 297100.
- 76 Oct 6. **Berchtesgaden, Germany, F.R.** 6. international conference on plasma physics and controlled nuclear fusion research. 291417, 291446, 291454, 291509, 291516, 294317, 294321, 294322, 294326, 294328, 294331, 294338, 294361, 294393, 294396, 294404, 294436, 294474, 295959, 297405, 297408, 297452, 297466, 297521, 297530, 300294, 300306, 300308, 300313, 300319, 300322, 300335, 300371, 300372, 300400, 300403, 300410, 300282, 302283, 302284, 302285, 302287, 302289, 302298, 302301, 302304, 302305, 302307, 302309, 302311, 302313, 302326, 302328, 302336, 302337, 302342, 302345, 302348, 304321, 304343, 304345, 304370, 304413, 304474, 304544, 308238, 308251, 308252, 308268, 308286, 308324, 308368, 308388, 308428, 311631, 311632, 311634, 311639, 311640, 311641, 311644, 311651, 311653, 311674, 311681, 311686, 311709, 311808, 311809, 311817.
- 76 Oct 6. **Mannheim, Germany, F.R.** Main meeting on welding. 298520, 299564, 299574.
- 76 Oct 6. **Philadelphia, Pennsylvania, USA.** Annual meeting of the Association of Engineering Geologists. 310533.
- 76 Oct 6. **Upton, New York, USA.** Division of particles and fields conference. 308855.
- 76 Oct 9. **Chicago, Illinois, USA.** Fuel and clad motion diagnostics for LMFBR safety test facilities conference. 312838.



- 76 Oct 10. **Houston, Texas, USA.** Conference on productivity through instrumentation and control. 288341.
- 76 Oct 11. **Gatlinburg, Tennessee, USA.** 20. annual conference of analytical chemistry. 309474.
- 76 Oct 11. **Honolulu, Hawaii, USA.** 1. Pacific Basin topical conference on nuclear development and the fuel cycle. 290970, 291118, 293985, 297021.
- 76 Oct 11. **Houston, Texas, USA.** Instrumentation Society of America meeting. 288342.
- 76 Oct 11. **Muenchen, Germany, F.R.** VDE congress and 59. general meeting of the VDE. 301734.
- 76 Oct 11. **New York, New York, USA.** 10. midyear symposium for Health Physics Society. 310141, 310164, 310435, 311192, 312479.
- 76 Oct 13. **Muenchen, Germany, F.R.** DKV-annual meeting and joint meeting with the International Inst. of Refrigeration. 307555.
- 76 Oct 18. **Argonne, Illinois, USA.** International conference on the properties of atomic defects in metals. 310072, 310079, 310091, 310098, 310104, 310110, 311566, 311589.
- 76 Oct 18. **Fort Lauderdale, Florida, USA.** Two-phase flow and heat transfer symposium. 312872.
- 76 Oct 18. **Juelich, Germany, F.R.** International symposium on plasma wall interaction. 308221, 308300, 308313, 308399, 311783.
- 76 Oct 18. **Palaiseau, France.** European conference on laser interaction with matter. 308211, 308223, 308224, 308347, 308409, 308410, 308423, 308424, 311788.
- 76 Oct 19. **Albuquerque, New Mexico, USA.** 47. shock and vibration symposium. 313027, 313166, 313321.
- 76 Oct 19. **Los Alamos, New Mexico, USA.** 5. annual conference of the International Nuclear Target Development Society. 312368.
- 76 Oct 20. **New Orleans, Louisiana, USA.** Nuclear science, scintillation and semiconductor counter symposium. 290304, 296924, 296958, 296970, 297113, 299815, 299816, 299830, 299833, 305032, 307456, 307471, 307492, 310213, 310954, 311073, 311076, 311086, 311108, 311118, 312108, 313466, 313626.
- 76 Oct 22. **Groningen, Netherlands.** Nederlandse Natuurkundige Vereniging, Sectie Kernfysica, autumn meeting. 300581, 300582, 300605, 300615, 300629, 300635, 300641, 300664, 300665, 300673, 300674, 300675, 300677, 300678, 300686, 300692, 300696, 300699, 300703, 300713, 300714, 300715, 300718, 300719, 300721, 300724, 300731, 300734, 300738, 301601, 301651, 301888, 301973, 302033.
- 76 Oct 24. **Mexico City, Mexico.** American Concrete Institute convention. 309965, 313182.
- 76 Oct 24. **Mexico City, Mexico.** 1. Desalination congress of the American continent. 312949, 313579, 313588.
- 76 Oct 25. **Albuquerque, New Mexico, USA.** CUBE symposium. 310782.
- 76 Oct 25. **Denton, Texas, USA.** 4. annual conference on the use of small accelerators. 309503, 309957, 310093, 310690, 310826, 310836, 311109, 311349.
- 76 Oct 25. **Hannover, Germany, F.R.** Symposium on the importance of the geosciences for the raw material supply. 307577.
- 76 Oct 25. **Ithaca, N.Y., USA.** International symposium on advances in metal deformation: phenomena and mechanism. 309889.
- 76 Oct 25. **Livermore, California, USA.** Integrated contractors meeting on coatings and the joint working group 12A coating meeting. 309691, 309904.
- 76 Oct 25. **Los Angeles, California, USA.** IAEA symposium on medical radionuclide imaging. 310454, 310458, 310461, 310469, 311104, 313417.
- 76 Oct 25. **Oak Ridge, Tennessee, USA.** 2. ERDA statistical symposium. 308411, 312542.
- 76 Oct 26. **Pittsburgh, Pennsylvania, USA.** 37. Annual meeting: international water conference. 310988.
- 76 Oct 27. **Gatlinburg, Tennessee, USA.** 28. southeastern regional meeting of American Chemical Society on biological applications of liquid chromatography. 295458, 297046, 309574.
- 76 Oct 28. **Karlsruhe, Germany, F.R.** KTG technical day on fuel element of the sodium-cooled breeder. 307263.
- 76 Oct 28. **Koeln, Germany, F.R.** Recent developments in the radiological environmental protection of nuclear facilities. IRS experts' talk 1976. 281318, 281368, 281377, 281391, 282002, 293471, 306367.
- 76 Oct 29. **Syracuse, New York, USA.** 5. Geochautauqua meeting on computer software for the geosciences. 312485.
- 76 Nov. **Vienna, Austria.** 5. IAEA PNE technical meeting. 310780, 310786, 312347.
- 76 Nov 1. **Abingdon, UK.** IAEA advisory group meeting on atomic and molecular data for fusion. 302300, 311635, 311693.
- 76 Nov 3. **Gaithersburg, Maryland, USA.** 25. symposium of mechanical failures prevention group. 312315.
- 76 Nov 3. **Gif-sur-Yvette, France.** AFCEC Congress: panorama of the French novelty in information processing. 311362.
- 76 Nov 5. **Cairo, Egypt.** Conference on management of laboratory instruments. 311225, 313505.
- 76 Nov 8. **Coronado, California, USA.** 3. international joint conference on pattern recognition. 313215.
- 76 Nov 8. **Denver, Colorado, USA.** Proceedings of the Geoscience Information Society and the Geological Society of America. 310788.
- 76 Nov 8. **Lucas Heights, Australia.** 8. AINSE radiation chemistry conference. 298421, 298424, 298425, 298426, 298427, 298428, 298429, 298430, 298433, 298435, 298440, 298441, 298442, 298444, 298447, 298449, 298456, 298459, 298460, 298464, 298465, 298469, 298471, 298472, 298480, 298481.
- 76 Nov 8. **Port Chester, New York, USA.** ASM conference on manufacture of superconducting materials. 313079.
- 76 Nov 9. **Bonn, Germany, F.R.** Fundamentals and applications of systems analysis as a rational aid for economy, state and research. 307571, 307575, 307671.
- 76 Nov 9. **Lubbock, Texas, USA.** IEEE international pulsed power conference. 308328, 308358, 308366, 308440, 310820, 310829, 311759, 313028, 313063, 313071.
- 76 Nov 10. **Sofia, Bulgaria.** 2. national conference on biomedical physics and engineering with international participation. 312100, 312555, 312687, 312856, 312874, 312875, 312900, 312904, 312908, 312910, 312912, 312930, 312962, 312967, 313002, 313447, 313457, 313478, 313555.
- 76 Nov 14. **Washington, District of Columbia, USA.** American Nuclear Society 1976 international meeting. 304318, 304323, 304334, 304335, 304340, 304342, 304347, 304361, 304364, 304379, 304383, 304387, 304389, 304391, 304392, 304415, 304416, 304427, 304430, 304437, 304442, 304453, 304457, 304458, 304462, 304480, 304483, 304484, 304491, 304492, 304493, 304512, 304515, 304521, 304526, 304531, 304532, 304534, 304538, 304543, 304547, 305013, 305015, 305016, 305017, 305018, 305040, 305190, 305206, 305233, 305258, 305341, 305342, 305351, 305352, 305386, 305433, 305437, 305538, 305570, 305661, 305744, 305772, 305773, 305776, 305778, 305787, 305788, 305790, 305791, 305830, 305995, 306015, 306048, 306052, 306057, 306065, 306067, 306068, 306069, 306139, 306146, 306364, 306368, 306372, 306375, 306377, 306378, 306382, 306383, 306386, 306387, 306388, 306390, 306391, 306392, 306393, 306395, 306396, 306398, 306401, 306404, 306406, 306411, 306414, 306415, 306419, 306420, 306421, 306424, 306425, 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- 76 Nov 16. Courbevoie, France. Seminar on in-situ use of gamma spectrometry for studying and monitoring the water-reactor spent fuels. 301632, 301633, 301637, 301640, 303444.
- 76 Nov 22. Pacific Grove, California, USA. Asilomar conference on circuits, systems and computers. 311222.
- 76 Nov 23. Muenchen, Germany, F.R. Seminar on reliability assurance and quality testing in electronics. 313101, 313102, 313108, 313483, 313490, 313507, 313511, 313512, 313516, 313653.
- 76 Nov 28. Chicago, Illinois, USA. 69. annual meeting of the AICHE. 308262, 310119.
- 76 Nov 29. New York, New York, USA. Annual meeting of the American Society of Mechanical Engineers. 308363, 309765, 309811, 309812, 309855, 310767, 313200, 313352, 313373, 313374.
- 76 Dec 6. Livermore, California, USA. Weapons Agencies Nondestructive Testing Organization meeting. 313407.
- 76 Dec 6. Paris, France. National congress on plasma physics. 308220.
- 76 Dec 7. Cologne, Germany, F.R. Technical committee meeting on the thermo-hydraulic consequences of loss of coolant accidents inside and outside the containment. 312861.
- 76 Dec 8. Saclay, France. French-Soviet seminar on water reactors. 310876, 310944.
- 76 Dec 14. Paris, France. 2. Colloquium on special steels and nuclear energy. 303062.
- 77 Jan 10. New Delhi, India. 6. world earthquake conference. 313035.
- 77 Jan 24. Washington, District of Columbia, USA. National Transportation Safety Board meeting. 313042.
- 77 Jan 25. Erlangen, Germany, F.R. Technical meeting on coarse-mesh methods: progress in the methods and their application to reactor problems. 313015, 313122, 313123, 313129, 313134, 313136, 313138, 313139, 313147, 313150, 313156, 313157.
- 77 Jan 30. New York, New York, USA. Meeting of the IEEE Power Engineering Society. 313104.
- 77 Feb 14. Sao Paulo, Brazil. 5. international conference on luminescence dosimetry. 313432.
- 77 Feb 28. La Toussuire, France. 4. Biennial nuclear physics lectures. 302667, 309211.
- 77 Mar 14. San Francisco, California, USA. Corrosion/77 NACE meeting. 313559.
- 77 Mar 29. Mannheim, Germany, F.R. Reactor congress 1977. 302288, 302292, 302293, 302296, 302306, 302315, 302321, 302333, 302338, 302340, 302343, 302347, 302942, 302945, 302947, 302948, 302949, 302955, 302959, 302963, 302964, 302970, 302971, 302978, 302985, 302992, 302993, 303008, 303012, 303050, 303052, 303074, 303086, 303088, 303196, 303206, 303209, 303212, 303220, 303225, 303226, 303227, 303230, 303232, 303234, 303241, 303244, 303245, 303246, 303248, 303252, 303253, 303264, 303267, 303278, 303312, 303320, 303361, 303362, 303363, 303364, 303367, 303369, 303372, 303373, 303375, 303376, 303378, 303431, 303437, 303459, 303460, 303461, 303462, 303463, 303464, 303465, 303466, 303467, 303470, 303471, 303472, 303473, 303480, 303485, 303487, 303491, 303492, 303493, 303513, 303514, 303516, 303518, 303519, 303520, 303522, 303523, 303524, 303525, 303526, 303527, 303528, 303529, 303531, 303534, 303537, 303539, 303541, 303543, 303546, 303547, 303548, 303549, 303550, 303551, 303552, 303555, 303556, 303560, 303561, 303563, 303565, 303567, 303573, 303574, 303575, 303576, 303577, 303578, 303586, 303588, 303589, 303590, 303591, 303597, 303598, 303599, 303600, 303601, 303603, 303604, 303605, 303609, 303610, 303613, 303614, 303615, 303618, 303619, 303620, 303621, 303622, 303623, 303624, 303625, 303626, 303627, 303628, 303629, 303630, 303631, 303632, 303633, 303634, 303635, 303636, 303637, 303638, 303640, 303641, 303642, 303643, 303645, 303646, 303647, 303648, 303649, 303652, 303654, 303655, 303656, 303657, 303658, 303659, 303661, 303662, 303663, 303664, 303665, 303666, 303667, 303668, 303669, 303671, 303672, 303673, 303674, 303675, 303676, 303677, 303678, 303679, 303680, 303697, 303698, 303699, 303704, 303707, 303708, 303709, 303711, 303720, 303723, 303729, 303730, 303731, 303732, 303733, 303734, 303735, 303736, 303738, 303739, 303742, 303743, 303745, 303750, 303754, 303758, 303789, 303792, 303802, 303806, 303810, 303811, 303816, 303817, 303818, 303849, 303850, 303851, 303866, 303868, 303873, 303888, 303900, 303901, 303908, 303944, 303946, 303947, 306574, 307167.
- 77 Apr 14. Amsterdam, Netherlands. Spring meeting Dutch Physical Society (NNV). 311428, 311432, 311688, 311697, 311908, 312959, 313422.
- 77 May 1. Toronto, Ontario, Canada. Symposium on toughness of titanium. 312346.
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**Berkeley, California, USA. 76 Aug 24.** 6. international symposium - ceramic microstructures 176. 309956, 309964, 312369, 312378.

**Berkeley, California, USA. 76 Sep 15.** Particles and radiation therapy conference. 310362, 310374.

**Berkeley, UK. 73 Sep 2.** International conference on the physical metallurgy of reactor fuel elements. 280831, 280837, 280859, 280889, 280903, 280906, 280914, 280915, 280916, 280920, 280974, 280992, 280994, 281003, 281005, 281038, 281040, 281041, 281042, 281044, 281050, 281051, 281055, 281056, 281057, 281058, 281059, 281065, 281066, 281073, 281076, 281078, 281079, 281082, 281086, 281092, 281096, 281097, 281102, 281669, 281672, 281675, 281694, 281697, 281741, 281753, 281758, 281759, 281762, 281764, 281767, 281769, 281773, 281777, 281778, 281779, 281782, 281783, 281788, 281790, 281808, 281813, 281890, 295738.

**Berlin, German Democratic Republic. 75 Nov 18.** Final conference of the Ministry of Health of the USSR and the National Board for Nuclear Safety and Radiation Protection of the GDR on scientific-technical cooperation in radiation protection in the period 1973-1975. 289983, 289995, 290000, 290003, 290004, 290017, 290025, 290028, 290032, 290039, 290040, 290041, 290045, 290102, 290259, 290291, 290333, 290334, 290344, 290347, 290355, 290356, 290395, 290883, 290884, 290885, 290886, 290887, 290902, 290913, 290914, 290922, 290925, 291017.

**Berlin, Germany, F.R. 75 Apr 28.** 6. scientific meeting of the Deutsche Gesellschaft fuer Medizinische Physik. 306161, 306212, 306338, 306356, 306613, 306647, 306654, 306656, 307379, 307382, 307397, 307399, 307409, 307424, 307430, 307453, 307454, 307455, 307461, 307462, 307467.

**Berlin, Germany, F.R. 75 Sep 8.** International seminar on extreme load conditions and limit analysis procedures for structural reactor safeguards and containment structures. 283989, 287022, 287025, 287026, 287034, 287039, 287056, 287058, 287066, 287156, 296479, 296498, 296499, 296500, 296510, 296514, 296515, 296517, 296533, 296552, 301340, 301345, 301350, 301353, 301356, 301360, 301370, 301371, 301373, 301391, 301396, 301404, 301406, 301415, 301426, 301440, 301446, 301788, 301807, 301849, 301859, 301861, 301868.

**Berlin, Germany, F.R. 76 Aug 30.** 2. europaishen topical conference on lattice defects in ionic crystals. 285621, 293102, 300151, 300154, 300155, 300156, 300159, 300161, 300163, 300164, 300166, 300167, 300169, 300170, 300171, 300174, 300175, 300176, 300177, 300178, 300179, 300180, 300189, 300191, 300193, 300197, 300198, 300199, 300201, 300203, 300204, 300205, 300206, 300207, 300208, 300209, 300210, 300216, 300218, 300219, 300223, 300225, 300227, 300228, 300229.



- 300230, 300231, 300237, 300240, 300241, 300242, 300244, 300245, 300248, 300252, 300257, 300258, 300262, 300266, 300269, 300274, 300275, 300276, 300277, 300278, 300279, 300280, 300282, 300284, 300285, 300287, 300288, 300291, 300827, 300842, 300952, 301046, 301058, 301077, 301078, 304267, 305662, 311517, 311542, 311583, 311590, 311596, 311601, 311605, 311606, 312251, 313459.
- Berlin, Germany, F.R. 76 Sep 15.** 14. international annual meeting of the Gesellschaft fuer Nuclearmedizin e.V. 287001, 287080, 287086, 287811.
- Berlin, Germany, F.R. 76 Sep 18.** Congress on rational energy utilities in urban systems with specialized exhibition at the German industrial exhibition. 287537, 294002, 310576.
- Berlin, Germany, F.R. 76 Sep 23.** Scientific energy seminar within the framework of the German industry exhibition on future energy - trends and alternatives. 287769, 287779, 287780, 287786.
- Bern, Switzerland. 76 Apr 8.** Swiss Physical Society spring meeting. 307826, 307882, 308085, 308086, 308087, 308100, 308134, 308182, 308332, 308433, 308434, 308445, 308540, 308691, 308783, 308787, 308799, 308803, 308808, 308937, 308992, 308993, 309015, 309067, 309099, 309104, 309145, 309166, 309184, 309230, 309271, 309299, 309318, 309430, 309467, 309725, 309766, 309775, 309787, 309795, 309803, 309854, 309860, 309891, 309905, 310195, 310198, 310232, 311110, 311145, 311213.
- Besancon, France. 76 May 13.** Meeting on calorimetry and thermal analysis. 297757, 298191, 298656.
- Bielefeld, Germany, F.R. 75 Sep 8.** Symposium on quantum dynamics, models and mathematics. 307708, 307725, 307731, 307743, 307748, 307758, 307763, 307772, 307776, 307786, 307796, 307801, 307808, 307811.
- Big Bear Solar Observatory, California, USA. 75 May 19.** The solar constant and the Earth's atmosphere. 285298.
- Birmingham, UK. 74 Sep 19.** Scientific aspects of high speed rotation. 284839, 284897, 287098.
- Blacksburg, Virginia, USA. 76 Jun 20.** 2. international conference on numerical methods in geomechanics. 306585.
- Bloomington, Indiana, USA. 76 May 31.** Workshop on the determination of momentum wavefunctions. 288956.
- Bloomington, Minnesota, USA. 75 Jul 1.** 8. annual technical meeting of the International Metallographic Society. 289483, 289508, 289512, 289566, 289576, 289608, 289642, 289661, 290696.
- Bombay, India. 74 Dec 27.** Nuclear physics and solid state physics symposium. 285615, 285616, 285642, 285684, 285709, 285712, 285731, 285734, 285735, 285743, 285744, 285760, 285761, 285770, 285773, 285789, 285794, 285797, 285810, 285820, 285821, 285822, 285826, 285827, 285832, 285844, 285845, 285850, 285851, 285859, 285865, 285873, 285876, 285880, 285890, 285893, 287966, 287984, 287996, 288064, 288103, 288131, 288369, 288863, 288867, 288871, 288876, 288877, 288886, 288887, 288888, 288889, 288899, 288901, 288907, 288908, 288910, 288917, 288918, 288919, 288921, 288922, 288929, 288937, 288940, 288946, 288947, 288952, 288957, 288961, 288963, 288964, 288965, 288966, 288969, 288970, 288977, 288989, 288990, 288993, 289009, 289015, 289016, 289044, 289049, 289050, 289062, 289063, 289073, 289078, 289087, 289099, 290387, 290493, 290496, 290500, 290512, 290872, 290880, 290891, 290905, 290931, 290932, 290944, 290945, 290946, 290947, 290951, 290952, 291893, 292129, 298102, 311918, 312014, 312052.
- Bombay, India. 75 May 7.** Symposium on surface instrumentation. 287702, 287703, 287704, 287707, 287727, 287728, 287730, 287731, 287746, 290943.
- Bombay, India. 75 Dec 11.** 3. national heat and mass transfer conference. 313009, 313016, 313261, 313400, 313633, 313651.
- Bombay, India. 76 Mar 1.** Symposium on reactor physics. 312888, 313143, 313144, 313253, 313254, 313387, 313388, 313389, 313390, 313391, 313392, 313393, 313394, 313395, 313396, 313397, 313402.
- Bombay, India. 76 Mar 25.** Symposium on structural and functional aspects of chromosomes. 286694, 286725, 286731, 286752, 286863, 286894.
- Bonn, Germany, F.R. 75 Oct 13.** International experts' congress: problems of a future-orientated energy and raw materials policy. 284409.
- Bonn, Germany, F.R. 76 Sep 14.** 40. physicists' meeting. 279840, 282595, 285232, 291724, 300485, 311927.
- Bonn, Germany, F.R. 76 Nov 9.** Fundamentals and applications of systems analysis as a rational aid for economy, state and research. 307571, 307575, 307671.
- Bordeaux, France. 74 Sep 9.** International symposium on radiation protection in uranium and thorium mining and milling. 296554.
- Borstel, Germany, F.R. 75 May 30.** Symposium on medical and biological problems of radiation exposures. 303139.
- Boston, Massachusetts, USA. 75.** 10. annual meeting of the association for the advancement of medical instrumentation. 296589.
- Boston, Massachusetts, USA. 75 Jun 9.** 7. International Thyroid Conference. 293287, 293306, 293343, 293403, 293431, 293439, 293525, 293949.
- Boston, Massachusetts, USA. 75 Sep 26.** Conference on gauge theories and modern field theory. 284509, 284530, 284533, 284536, 284561, 285328, 285373, 285399, 285437, 285452, 285457, 285461, 285476, 285488, 285493, 291172.
- Boston, Massachusetts, USA. 76 Aug 16.** 2. international conference on the mechanical behavior of materials. Federation of Materials Societies. 280942, 283284, 283328, 283342, 283360, 284227, 293042, 294223, 309711, 312360.
- Boston, Massachusetts, USA. 76 Aug 23.** Annual meeting of the American Statistical Association. 310126.
- Boulder, Colorado, USA. 74 Jun 24.** 4. international conference on numerical methods in fluid dynamics. 311646, 311728.
- Boulder, Colorado, USA. 76 Jun 7.** American Geophysical Union international symposium on solar-terrestrial physics. 308486.
- Boulder, Colorado, USA. 76 Jun 7.** International symposium on solar terrestrial physics. 283512, 285126, 285144.
- Boulder, Colorado, USA. 76 Jun 28.** 5. CODATA conference. 290211, 291104, 299998, 306708.
- Boulder, Colorado, USA. 76 Jul 13.** Symposium on optical materials for high power lasers. 283415, 283421, 283432, 292696.
- Boulder, Colorado, USA. 76 Aug 9.** Proceedings of V international conference on ion implantation in semiconductors and other materials. 293034, 293039, 293095.
- Bratislava, Czechoslovakia. 73 Sep 3.** 10. congress of the Carpathian Balkan Geological Association. 298701, 298738, 301089, 301102.
- Braunschweig, Germany, F.R. 76 Sep 13.** 54. annual meeting of the Deutsche Mineralogische Gesellschaft and 16. discussion meeting of the Arbeitsgemeinschaft Kristallographie of the DMG, DPG and GDCh. 294243, 304275, 310135, 310148.
- Bremen, Germany, F.R. 76 Jan 29.** Meeting of mass spectrometry users. 285924.
- Brest, France. 75 Nov 27.** Colloquium on the formation of the oceanic lithosphere. 303108, 303113.
- Brighton, UK. 75 Sep 14.** 18. International congress on occupational health. 313607.
- Brighton, UK. 76 Jun 29.** Topical conference on weak interactions. 297777, 304903, 304920, 304966, 304992, 311933, 311975.
- Brighton, UK. 76 Sep 8.** Faraday discussion on potential energy surfaces. 287967.
- Bristol, UK. 75 Feb 25.** RPG symposium on reinforced plastics in electrical and electronic applications. 296712.
- Brno, Czechoslovakia. 75 Apr 7.** Symposium on radiation sterilization of drugs. 312758, 312759, 312764, 312765, 312766, 312767, 312769, 312770, 312771, 312772, 312773, 312775, 312782, 312783, 312784, 312786, 312788, 312790, 312793, 312794, 312796, 312797, 312798, 312802, 312803, 312809, 312812, 312813, 312814, 312815, 312821, 312822, 312823, 312824, 312825, 312827, 312828.
- Brno, Czechoslovakia. 75 Sep 10.** 8. national conference on physiology of poultry. 298888, 299127.
- Budapest, Hungary. 75 Aug 25.** Euroanalysis 2. 282745.
- Budapest, Hungary. 75 Oct 6.** 2. conference on interaction of electrons with strong electromagnetic field. 304135.
- Buenos Aires, Argentina. 74 Nov 3.** 8. World Congress of Fertility and Sterility. 306351.
- Buffalo, New York, USA. 76 Sep 19.** IEEE ASME joint power generation conference. 311030, 311035.
- Burlington, Vermont, USA. 76 Jul 19.** American Association of Physicists in medicine dosimetry summer school. 288857.
- Cadarache, France. 76 Jun 1.** 43th Meeting of the French dosimetry groups. 281687.
- Caen, France. 76 May 11.** Technical meeting. Mining and mineralurgy session. 300962.
- Caen, France. 76 Sep 6.** European conference on nuclear physics with heavy ions. 291879, 291882, 291884, 291886, 291888, 291889, 291890, 291892, 291895, 291896, 291897, 291898, 291900, 291901, 291903, 291906, 291907, 291908, 291910, 291913, 291914, 291915, 291916, 291918, 291919, 291922, 291924, 291925, 291926, 291927, 291928, 291929, 291932, 291933, 291939, 291942, 291943, 291944, 291945, 291946, 291947, 291948, 291949, 291952, 291956, 291957, 291959, 291964, 291965, 291966, 291968, 291972, 291973, 291974, 291975, 291976, 291977, 291981, 291982, 291984, 291985, 291994, 292000, 292002, 292003, 292004, 292005, 292006, 292007, 292008, 292009, 292011, 292012, 292013, 292014, 292015, 292016, 292017, 292018, 292019, 292020, 292021, 292022, 292024, 292025, 292027, 292030, 292031, 292032, 292033, 292035, 292036, 292037, 292038, 292039, 292040, 292041, 292042, 292043, 292044, 292048, 292049, 292050, 292051, 292054, 292055, 292056, 292058, 292059, 292060, 292061, 292062, 292063, 292064, 292065, 292066, 292067, 292070, 292075, 292076, 292077, 292078, 292080, 292082, 292084, 292085, 292086, 292088, 292089, 292090, 292092, 292093, 292094, 292096, 292097, 292099, 292100, 292102, 292103, 292104, 292105, 292109, 292110, 292112, 292113, 292114, 292116, 292121, 292122, 292123, 292124, 292125, 292126, 292128, 292131, 292132, 292133, 292134, 292135, 292136, 292141, 292144, 292145, 292146, 292149, 292150, 293664, 293682, 293894, 294890, 294903, 294919, 294999, 296917, 297946, 297982, 298040, 298082, 298085, 298103, 300375, 300577, 300580, 300592, 300621, 300644, 300685, 300687, 301599, 301609, 301615, 301616, 301631, 302757, 305088, 305089, 305198, 305224, 305228, 305372, 307366.
- Cairo, Egypt. 75 Mar 22.** 1. conference on nuclear sciences and applications. 288302.
- Cairo, Egypt. 76 Nov 5.** Conference on management of laboratory instruments. 311225, 313505.
- Cambridge, Massachusetts, USA. 73 Oct 17.** Dusty Universe symposium. 294484, 294488, 294495, 294505, 294508, 294510, 294537, 294539, 294554, 294560, 294578, 294583, 294584.
- Cambridge, Massachusetts, USA. 74 Oct 17.** Symposium on physics and our world. 291754, 291795, 291962, 291970.
- Cambridge, Massachusetts, USA. 76 May 9.** NSF workshop on the laser revolution in energy related chemistry. 290361.
- Cambridge, UK. 75 Jul 2.** 4. international conference on texture. 298564, 298615.
- Cambridge, United Kingdom of Great Britain and Northern Ireland (UK). 76 Aug 28.** 2. symposium on recent research in Mesozoic



- archaeology. 312083.
- Campinas, Sao Paulo, Brazil. 75 Jul 25.** 3. International conference on light scattering in solids. 302592.
- Cannes, France. 76 Sep 6.** 8. World conference on nondestructive testing. 293804, 299511, 299516, 299524, 299527, 299615, 299709, 301811, 303355, 303425, 303427, 303428, 303429, 303432, 303433, 303434, 303435, 303442, 303443, 303445, 303448, 303451, 303452, 303453, 303455, 303457, 310684, 310873, 310875, 310878, 310879, 310880, 310881, 310882, 310883, 310884, 310886, 310887, 310888, 310889, 310890, 310891, 310892, 310893, 310894, 310895, 310896, 310897, 310900, 310901, 310902, 310903, 310904, 310905, 310906, 310908, 310910, 310911, 310912, 310913, 310915, 310916, 310918, 310919, 310920, 310922, 310923, 310924, 310947, 311006, 311065, 311216, 311221, 312957, 312991, 313088, 313089, 313090, 313092, 313093, 313096, 313097, 313098, 313099, 313100, 313105, 313106, 313107, 313109, 313110, 313111, 313112, 313114, 313116, 313117, 313485, 313503.
- Canton, N.C., USA. 75 May 26.** Workshop on defects in magnesium oxide and related materials. 279799.
- Cape Cod, Massachusetts, USA. 75 Sep 8.** The Flare Build-up Workshop. 308306, 308466, 308473, 308477, 308494, 308496, 308524, 308526, 308543, 308555, 308560, 308567, 308568, 308577, 308583, 308587, 308598, 308603, 308604, 308637, 308643, 308655, 308659, 308660, 308678, 308686, 308700, 308704, 308707, 308714, 308726, 308734, 308738, 308740, 308755, 308777, 310177, 310192, 310224.
- Cardiff, UK. 75 Sep.** NDT 75. 281634.
- Cargese, Corsica, France. 76 May 19.** 3. International conference on nuclides far from stability. 280431, 280453, 285804, 292001, 292034, 292083, 295018, 309255, 312031.
- Cargese, Corsica, France. 76 Jul 12.** Summer institute for theoretical physics. 300113.
- Casaccia, Italy. 76 May 25.** 17. Meeting of the hot laboratory EURATOM Commission. 287235, 293482, 293706.
- Casamari, Italy. 75 Sep 8.** Mediterranean summer school on surface states and chemical bonds. 300232, 302212, 302258.
- Ceske Budejovice, Czechoslovakia. 75 Jun 10.** 3. conference on wood protection. 296647.
- Chalk River, Ontario, Canada. 76 Sep 14.** Conference on proton linear accelerator. 308291, 310811, 310817, 310835, 310837, 310838, 310839, 310841, 310842, 310845, 310846, 310850, 310857, 310859, 310860, 310865, 310868, 310869, 313060.
- Champion, Pennsylvania, USA. 76 Apr 27.** IAEA international working group on fast reactors. 307007, 307260, 313358.
- Champion, Pennsylvania, USA. 76 Apr 27.** International conference on liquid metal technology in energy production. 290336.
- Champion, Pennsylvania, USA. 76 May 3.** International conference on liquified metal technology in energy production. 280660, 281824, 281827, 287572, 289488, 290802, 293849, 296888.
- Chapel Hill, North Carolina, USA. 76 Jan 26.** Symposium on X-ray fluorescence analysis of environmental samples. 289170.
- Charlottesville, Virginia, USA. 76 May 24.** Conference on high density alloy penetrator materials. 287794, 289507, 289514, 289523, 289525, 289595, 289596, 289615, 292946.
- Chatenay-Malabry, France. 76 Mar 11.** Meeting on toxicity and ecology of plutonium and transplutonium elements. 298977, 299239.
- Chiba, Japan. 75 Feb 28.** 2. NIRS seminar. 306081, 306088, 306090, 306095, 306255, 306278, 306470, 306472, 306552, 306573, 306618, 306622, 312230, 312559.
- Chicago, Illinois, USA. 68 Apr 1.** 49. AWS annual meeting. 286379.
- Chicago, Illinois, USA. 74 Dec 1.** 60. scientific assembly and annual meeting of the Radiological Society of North America. 290090.
- Chicago, Illinois, USA. 75 Apr 21.** Annual American power conference. 299987, 299992.
- Chicago, Illinois, USA. 75 Aug 24.** 170. American Chemical Society national meeting. 298125.
- Chicago, Illinois, USA. 75 Aug 25.** Symposium on radiation effects on solid surfaces. 310073.
- Chicago, Illinois, USA. 75 Aug 26.** Conference on new and specialty fibers. 280886, 281031.
- Chicago, Illinois, USA. 75 Nov 3.** Symposium on biological effects of low-level radiation pertinent to protection of man and his environment. 281182, 281250, 281264, 281273, 281275, 281287, 281288, 281296, 281299, 281301, 281306, 281309, 281320, 282742, 283642, 283645, 283664, 283674, 283680, 283683, 283684, 283685, 283688, 283697, 283701, 283703, 283706, 283707, 283708, 283709, 283714, 283717, 283718, 283720, 283824, 284485, 286784, 286806, 286842, 296251.
- Chicago, Illinois, USA. 75 Nov 30.** 61. scientific assembly and annual meeting of the Radiological Society of North America. 289980, 289988, 296183, 310259, 310345, 310450.
- Chicago, Illinois, USA. 76 Apr 20.** American power conference. 279889.
- Chicago, Illinois, USA. 76 Jun 30.** Symposium on evaluating and controlling the corrosive effects of chlorides on reinforced steel in concrete. 289529.
- Chicago, Illinois, USA. 76 Sep 21.** 23. National vacuum symposium. 281517, 289752, 290492, 297505, 298690.
- Chicago, Illinois, USA. 76 Sep 30.** Conference on radiation in associated thyroid cancer. 312675.
- Chicago, Illinois, USA. 76 Oct.** International meeting on fast reactor safety and related physics. 290758, 290858, 293491, 293506, 296470, 296513, 296524, 296526, 296533, 296544, 296550, 296551, 296906, 296907, 296914, 296932, 299197, 299198, 299220, 299777, 301435, 306494, 306577, 310548, 310550, 310578, 310585, 310592, 310608, 310615, 311031, 311045, 311059, 312880, 312883, 313398.
- Chicago, Illinois, USA. 76 Oct 9.** Fuel and clad motion diagnostics for LMFBR safety test facilities conference. 312838.
- Chicago, Illinois, USA. 76 Nov 28.** 69. annual meeting of the AIChE. 308262, 310119.
- Cincinnati, Ohio, USA. 73 May 1.** 75. annual meeting of the American Ceramic Society. 283368.
- Cincinnati, Ohio, USA. 75 Nov 9.** Conference on radiation damage in metals. 312432.
- Cincinnati, Ohio, USA. 76 May 3.** 78. annual meeting of the American Ceramic Society. 293986, 295931, 296885, 296903.
- Clausthal-Zellerfeld, Germany, F.R. 76 Sep 13.** 4. international conference on the physics of non-crystalline solids. 289796, 297365, 297378, 297391, 302247.
- Clermont-Ferrand, France. 76 Jun 9.** Annual conference of the Societe Francaise de Microscopie Electronique. 285921, 291301, 292204, 292208, 301009, 301023, 301037.
- Cleveland, Ohio, USA. 76 May 19.** Conference on Immunodynamics. 310314, 310318, 310320, 310348, 310355, 310357, 310386, 310396, 310400, 310420.
- Cleveland, Ohio, USA. 76 Jun 8.** Power electronics specialists conference. 279902.
- College Station, Texas, USA. 76 Mar 15.** Conference on environmental oceanography in the Gulf of Mexico. 312830.
- Cologne, Germany, F.R. 76 Dec 7.** Technical committee meeting on the thermo-hydraulic consequences of loss of coolant accidents inside and outside the containment. 312861.
- Columbus, Ohio, USA. 76 Jun 14.** 31. symposium on molecular spectroscopy. 280668.
- Copenhagen, Denmark. 75 May 13.** 6. International symposium on the biological characterization of human tumours. 293245, 293291, 293299.
- Copenhagen, Denmark. 76 Oct 4.** International total energy congress. 311067.
- Coral Gables, Florida, USA. 76 Jan 19.** Conference of the ORBIS SCIENTIAE, center for theoretical studies. 288781.
- Corfu, Greece. 76 Sep 13.** International conference on the applications of the Mossbauer effect. 297327, 309566, 309929, 312196, 312325.
- Coronado, California, USA. 76 Nov 8.** 3. international joint conference on pattern recognition. 313215.
- Corsica, France. 73 Aug 27.** NATO Advanced Study Institute on radiation damage processes in materials. 294238, 294246, 294251, 294282, 294297, 295501, 295507, 295598, 295976, 295977, 295978, 295984, 295985, 296585, 298673.
- Corvallis, Oregon, USA. 74 Mar 14.** 3. annual technical conference on estuaries. 290175.
- Courbevoie, France. 76 Nov 16.** Seminar on in-situ use of gamma spectrometry for studying and monitoring the water-reactor spent fuels. 301632, 301633, 301637, 301640, 303444.
- Creteil, France. 75 Sep 22.** Colloquium on the distribution of pulmonary gas exchange. 299132, 299137, 299142, 299145, 301276.
- Culham, UK. 75 Aug. 3.** Topical conference on pulsed high-beta plasmas. 284967.
- Daisen, Tottori, Japan. 75 Jul 16.** Daisen summer school (laser fusion workshop). 279895, 279913, 279950, 279951, 279997.
- Dallas, TX, USA. 74 May 18.** 13. annual meeting of the North Texas Chapter of the American College of Surgeons. 306282.
- Dallas, TX, USA. 74 Nov. 47.** annual scientific session of the American Heart Association. 290093.
- Dallas, TX, USA. 75 Sep 28.** SPE-AIME 50. annual Fall technical conference and exhibition. 289394.
- Dallas, TX, USA. 75 Oct. 50.** annual Fall meeting of the Society of Petroleum Engineers of AIME. 289395.
- Davis, California, USA. 76 Jun 21.** 25. Heat Transfer and Fluid Mechanics Institute Meeting. 284020, 306483, 306560, 307217.
- Denton, Texas, USA. 76 Oct 25.** 4. annual conference on the use of small accelerators. 309503, 309957, 310093, 310690, 310826, 310836, 311109, 311349.
- Denver, Colorado, USA. 73 Jun 11.** NATO Advanced Study Institute on scattering theory in mathematical physics. 302069, 302073, 302086, 302096, 302111, 302114, 302115, 302119, 302120, 302130, 302131, 302139, 302145, 302165, 302167.
- Denver, Colorado, USA. 75 Apr 7.** SPE-AIME Rocky Mountain regional meeting. 293582.
- Denver, Colorado, USA. 75 Aug 6.** 24. annual conference on applications of x-ray analysis. 304394, 305532, 305539, 305541, 305547, 305553, 305575, 305811, 307427.
- Denver, Colorado, USA. 76 Jun 9.** 17. annual logging symposium transactions. 281472, 281484, 281488, 281490, 281493, 281880, 281914, 283968, 293138, 293587, 293589, 293591, 293607, 293612.
- Denver, Colorado, USA. 76 Jul 11.** International symposium on management of waste from the LWR fuel cycle. 281959, 281969, 284386, 284387, 287763, 290465, 290972, 291030, 296829, 297022, 297024, 297040, 299914, 299930, 301098, 306762, 312299, 312306, 312557, 312565, 312670, 312695, 312898, 313043, 313044, 313519, 313520, 313521, 313522, 313523, 313524, 313525, 313526, 313527, 313528, 313529, 313530, 313531, 313532, 313533, 313534, 313535, 313539, 313541, 313557, 313562, 313564, 313565, 313566, 313568, 313570, 313576, 313577, 313630.
- Denver, Colorado, USA. 76 Jul 18.** Conference on land use and nuclear facility siting: current issues. 283860.
- Denver, Colorado, USA. 76 Aug 3.** 25. annual x-ray conference. 309494, 312121.
- Denver, Colorado, USA. 76 Sep 25.** 25. annual conference on applications of x-ray analysis. 312107.
- Denver, Colorado, USA. 76 Nov 8.** Proceedings of the Geoscience Information Society and the Geological Society of America.



- 310788.
- Detmold, Germany, F.R. 76 Apr 28.** 27. starch meeting. 292184.
- Dimitrovgrad, USSR. 75 Sep 8.** IWGFR specialist's meeting of the IAEA on the behaviour of fission and corrosion products in the primary circuits of fast reactors. 293848.
- Dimitrovgrad, USSR. 76 Jun 29.** All-union conference on chemistry of transplutonium elements (americium, curium, berkelium, californium). 295433, 295434, 295435, 295436, 295437, 295438, 295441, 295442, 295443, 295444, 295449, 295450, 295451, 295454, 295456, 295457, 295459, 295460, 295461, 295462, 295463, 295464, 295467, 295468, 295470, 295471, 295472, 295474, 295475, 295477, 295479, 295480, 295481, 295483, 295486, 295488, 295489, 295490, 295491, 295492, 295493, 295494, 295495, 295497, 295498, 295583, 295989, 296973, 298413, 298416, 300878, 300882, 300884, 300897, 300917.
- Dobra, Czechoslovakia. 75 Apr 21.** CMEA symposium on application of radioisotopic methods in metallurgy. 310071.
- Dresden, German Democratic Republic. 74 Sep 24.** 6. power plant engineering colloquium of the TU Dresden. 296801.
- Dresden, German Democratic Republic. 75 May.** 3. symposium on problems of electrochemical corrosion and passivation. 290401.
- Dresden, German Democratic Republic. 75 May 12.** Meeting on nuclear analytical methods. 282701, 286367, 300762, 300763, 300771, 300772, 300778, 300784, 300791, 300815, 302872, 309480, 309496, 309504, 309505, 309516, 309533, 309609, 309650, 311167, 311176, 311226, 311239, 311357, 311359.
- Dresden, German Democratic Republic. 75 Sep 30.** 7. Meeting on power plant engineering. 308212, 310538, 310962, 310979, 310987, 310989, 311034, 311270, 311276, 311280.
- Dresden, German Democratic Republic. 75 Oct 19.** 5. Session: physics and technology of ultra-vacuum and thin films. 307868.
- Dresden, German Democratic Republic. 76 Aug 9.** Symposium on atmospheric ozone/atmospheric chemistry and global pollution. 290244.
- Duarte, California, USA. 76 Sep 29.** Women at work symposium. 296457.
- Dublin, Ireland. 76 Mar 9.** International conference on physics in industry. 297370, 297379, 297384, 297541, 298153, 298173, 298178, 298182, 298205, 298744, 299136, 299319, 299353, 299364, 299477, 299831, 299921, 299944, 300058.
- Dubna, USSR. 73 Oct 22.** Theoretical conference on non-circular cross section tokamaks. 311710.
- Dubna, USSR. 76 Jun.** International conference on selected topics in nuclear structure. 282588.
- Dubna, USSR. 76 Jul 19.** Advisory group meeting on the technology of inertial confinement experiments. 282344, 288304.
- Dubna, USSR. 76 Oct 5.** 5. all-union national conference on particle accelerators. 299481, 313054, 313078.
- Dubrovnik, Yugoslavia. 76 Aug 27.** 8. International school and symposium on the physics of ionized gases. 300325.
- Duesseldorf, Germany, F.R. 76 Mar 30.** Reactor meeting. 281816, 287483, 287513, 294477, 297062, 297078.
- Duesseldorf, Germany, F.R. 76 Sep 29.** Annual meeting of process engineers and 175. meeting of the European Federation of Chemical Engineering. 306706.
- Duesseldorf, Germany, F.R. 76 Oct 4.** Annual meeting of the Deutsche Keramische Gesellschaft e.V. 298640, 305937.
- Duesseldorf, Germany, F.R. 76 Oct 4.** Conference on thermal turbo-engines. 293651.
- Duisburg, Germany, F.R. 76 May 25.** Meeting on new findings in the field of submerged-arc welding. 289513.
- Edinburgh, UK. 74 Sep 3.** Institution of Mechanical Engineers conference on cavitation. 310763.
- Edinburgh, UK. 76 Mar 24.** Archaeometry and archaeological prospecting. 282752.
- Eindhoven, Netherlands. 71 Sep 20.** Closed cycle MHD specialist meeting. 282348, 282365, 282367, 282387, 282396, 282424, 282470, 282471, 282472, 282473, 282474, 282477, 282479.
- Eindhoven, Netherlands. 75 Aug 18.** 12. international conference of phenomena in ionized gases. 294423.
- Eindhoven, Netherlands. 76 Jun 23.** 4. International symposium on surface physics 'The solid vacuum interface'. 302233, 302234, 302235, 302236, 302238, 302239, 302245, 302246, 302248, 302249, 302254, 302266, 302271, 302272, 302277, 302915.
- Erice, Italy. 76 Apr 18.** Communication to the thinkshop on physics: experimental quantum mechanics. 282046, 285381, 300080.
- Erice, Italy. 76 Jun 22.** NATO Advanced Study Institute on structure and evolution of galaxies. 280089.
- Erice, Italy. 76 Sep 20.** 3. course of the Erice summer school on Tokamak fusion reactors for break-even. 308331.
- Erice, Italy. 76 Sep 28.** International school of fusion technology. 308362.
- Erlangen, Germany, F.R. 75 May.** Meeting of the Schutzkommission beim Bundesministerium des Innern. 310243, 310336, 310349, 310365, 310367, 310409, 310597, 310785, 310792, 310794, 311174.
- Erlangen, Germany, F.R. 75 Nov 14.** Technical meeting of the Fachgruppe 'Brennelemente' of the KTG. 287519.
- Erlangen, Germany, F.R. 77 Jan 25.** Technical meeting on coarse-mesh methods: progress in the methods and their application to reactor problems. 313015, 313122, 313123, 313129, 313134, 313136, 313138, 313139, 313147, 313150, 313156, 313157.
- Essen, Germany, F.R. 76 May 5.** Meeting on the treatment and disposal of sewage sludges as well as special liquid to solid wastes in consideration of recent research findings and progress reports from existing plants. 287147.
- Essen, Germany, F.R. 76 May 13.** German X-ray congress. 296442, 306345.
- Flaine, France. 76 Feb 22.** International colloquium of the C.N.R.S. on the storage ring physics. 302551, 302556, 302577, 302582, 302583, 302584, 302597, 302603, 302605, 302610, 302619, 302624, 302630, 302633, 302637, 302640, 302642, 302644, 302646, 302650, 303385, 303412, 303415, 303417, 303421, 308850, 308871, 308904, 308910, 308957, 308974, 308980, 309047, 311096.
- Flaine, France. 76 Feb 29.** 11. Rencontre de Moriond. 297806, 297810, 302558, 302559, 302563, 302569, 302570, 302574, 302575, 302580, 302581, 302586, 302591, 302594, 302600, 302602, 302609, 302612, 302617, 302618, 302632, 302634, 302641, 302645, 303393, 308853, 308854, 308863, 308878, 308880, 308881, 308899, 308906, 308930, 308931, 308997, 309017, 309033, 309044, 309050, 309060, 310816.
- Florence, Italy. 76 Aug 30.** 7. International mass spectrometry conference. 300759, 300768, 312884.
- Fontenay-aux-Roses, France. 75 Apr 29.** 2. Seminar on radiobiology. 281203, 281220, 281266, 282016, 293251, 293293, 294014, 294020, 298892, 298900, 298907, 298969, 299249, 299259, 299326, 301186.
- Fort Lauderdale, Florida, USA. 76 Oct 18.** Two-phase flow and heat transfer symposium. 312872.
- Frankfurt am Main, Germany, F.R. 76 May 27.** Annual meeting of the Deutsche Public Relation Gesellschaft (DPRG). 306551.
- Frankfurt am Main, Germany, F.R. 76 Jun 20.** 18. exhibition of chemical apparatus. ACHIMA '76. 311211.
- Frascati, Italy. 76 Mar 1.** Discussion meeting on PETRA experiments. 285487.
- Frascati, Italy. 76 Apr 6.** 2. European symposium on space materials science. 286451.
- Fredericton, New Brunswick, Canada. 76 Apr 22.** Meeting on exploration geochemistry in the Appalachians, (AEG). 312484.
- Freiburg, Germany, F.R. 76 Mar 29.** 2. international conference on inner shell ionization phenomena. 287962, 288010, 304106, 307872.
- Gaithersburg, Maryland, USA. 74 Oct 7.** 7. materials research symposium. 312056, 312059, 312060, 312063, 312065, 312069, 312070, 312071, 312078, 312079, 312081, 312084, 312094, 312102, 312103, 312109, 312110, 312111, 312118, 312119, 312120, 312122, 312129.
- Gaithersburg, Maryland, USA. 75 Feb 10.** Symposium on practical applications of neutron radiography and gauging. 281335, 281499, 284059, 284060, 284063, 284072, 284074, 293712, 293716.
- Gaithersburg, Maryland, USA. 75 Sep 23.** Atomic spectroscopy symposium. 282152.
- Gaithersburg, Maryland, USA. 76 Mar 1.** NBS symposium on measurements for the safe use of radiation. 284273.
- Gaithersburg, Maryland, USA. 76 Apr 19.** Conference on computer simulation for materials applications. 288094, 288109, 288128, 305767, 305796, 305797, 305799, 305800, 305801, 305803, 305835, 305836, 305843, 305844, 305845, 305846, 305848, 305849, 305850, 305859, 305862, 305865, 305873, 305876, 305877, 305899, 305919, 305923, 305946, 305950, 305976, 306007, 306011, 306012, 306025, 306027, 306030.
- Gaithersburg, Maryland, USA. 76 Nov 3.** 25. symposium of mechanical failures prevention group. 312315.
- Garching/Muenchen, Germany, F.R. 75 Aug 15.** 14. international cosmic ray conference. 286677, 289892, 291525, 291526, 291528, 291529, 291531, 291532, 291533, 291534, 291535, 291536, 291538, 291539, 291540, 291542, 291543, 291544, 291545, 291555, 291563, 291564, 291565, 291566, 291567, 291574, 291588, 291589, 291590, 291597, 291601, 291602, 291607, 291612, 291613, 291614, 291615, 291617, 291622, 291624, 291627, 291629, 291631, 291636, 291640, 291641, 291650, 291651, 291652, 291655, 291657, 291677, 291681, 291695, 291783, 293872, 293879, 293910, 302358, 302363, 302366, 302368, 302370, 302371, 302375, 302378, 302379, 302382, 302383, 302385, 302390, 302391, 302399, 302401, 302405, 302409, 302410, 302414, 302416, 302417, 302418, 302419, 302420, 302427, 302428, 302431, 302439, 302441, 302442, 302443, 302450, 302451, 302452, 302453, 302454, 302455, 302456, 302459, 302468, 302470, 302472, 302473, 302474, 302475, 302476, 302485, 302487, 302488, 302500, 302501, 302504, 302508, 302510, 302511, 302512, 302514, 302515, 302516, 302517, 302519, 302521, 302524, 302526, 302528, 302833, 302846, 302850, 302851, 304553, 304571, 304574, 304582, 304608, 304628, 304685, 304686, 304716, 304717, 304737, 304738, 304790, 304840.
- Garching, Germany, F.R. 72 Jul 3.** 1. Topical conference on pulsed high-beta plasmas. 285026.
- Garmisch-Partenkirchen, Germany, F.R. 76 Jun 14.** 9. Symposium on fusion technology. 279846, 279903, 279967, 279990, 279992, 282361, 282814, 288305, 291497, 294336, 294467, 300341, 300342, 300345, 300363, 300384, 300386, 300394, 302295.
- Gatlinburg, Tennessee, USA. 75 Apr 7.** Conference on the biology of radiation carcinogenesis. 310247, 310249, 310252, 310254, 310263, 310264, 310267, 310271, 310272, 310276, 310277, 310286, 310321, 310323, 310328, 310329, 310337, 310342, 310351, 310352, 310359, 310376, 310379, 310401.
- Gatlinburg, Tennessee, USA. 75 May 11.** 2. ANS symposium on training of nuclear facility personnel. 284139.
- Gatlinburg, Tennessee, USA. 75 Sep.** International conference on materials for nuclear steam generators. 284188.
- Gatlinburg, Tennessee, USA. 75 Sep 30.** International conference on radiation effects and tritium technology for fusion reactors. 288165, 288179, 288182, 288186, 288196, 288251, 288261, 288267, 288288, 288294, 288306, 288318, 288323, 288326, 288333, 288344, 289119, 289136, 289344, 289378, 289548, 289553, 289555, 289568, 289578, 289584, 289637, 289653,



- 289701, 289703, 289705, 289708, 289712, 289713, 289714, 289716, 289719, 289722, 289724, 289725, 289729, 289730, 289733, 289734, 289735, 289736, 289737, 289741, 289742, 289743, 289746, 289753, 289758, 289760, 289762, 289767, 289769, 289770, 289772, 289773, 289774, 289778, 289782, 289784, 289785, 289786, 289788, 289791, 289792, 289795, 289799, 289800, 289817, 290459, 291111, 291112, 292656, 292847, 311678, 311756, 311811, 311814, 312319, 312397, 312413, 312443, 312558, 312562, 312563, 312717, 312721, 313542.
- Gatlinburg, Tennessee, USA. 75 Oct 14.** International nuclear and atomic activation analysis conference and 19th annual meeting on analytical chemistry in nuclear technology. 282676, 282677, 282691, 282693, 282695, 282708, 282710, 282719, 282723, 282725, 282741, 282746, 282750, 282753, 282760, 282763, 282767, 282769, 282794, 282840.
- Gatlinburg, Tennessee, USA. 76 Apr 23.** Region 5 seminar on practical applications in manufacturing. 284013.
- Gatlinburg, Tennessee, USA. 76 Jun 6.** Conference on neutron scattering. 280641, 282569, 282851, 287875, 291383, 292973, 305829, 305833, 305881, 305885, 305893, 305894, 305896, 305897, 305913, 305934, 305938, 305943, 305944, 305948, 305966, 305973, 305979, 305984, 305985, 307718, 307730, 307745, 307754, 307805, 307810, 307817, 307820, 308062, 308096, 308124, 309068, 309072, 309077, 309694, 309728, 309744, 309755, 309763, 309769, 309770, 309773, 309780, 309781, 309793, 309794, 309815, 309819, 309839, 309845, 309851, 309861, 309862, 309867, 309869, 309873, 309875, 309896, 309900, 309913, 309942, 309953, 309958, 309961, 309963, 309970, 309977, 309981, 309983, 309985, 309990, 309991, 309992, 309994, 309997, 310037, 310041, 310042, 310044, 310045, 310049, 310064, 311125.
- Gatlinburg, Tennessee, USA. 76 Oct 11.** 20. annual conference of analytical chemistry. 309474.
- Gatlinburg, Tennessee, USA. 76 Oct 27.** 28. southeastern regional meeting of American Chemical Society on biological applications of liquid chromatography. 295458, 297046, 309574.
- Geising, German Democratic Republic. 75 Nov 17.** Workshop on nuclear measuring methods and tracer techniques. 295138, 296736, 296952.
- Geneva, Switzerland. 76 Apr 18.** Thinkshop experimental quantum mechanics. 285363.
- Gerona, Spain. 76 Jun 7.** International seminar on theoretical physics. 291793.
- Giens, France. 74 Sep 23.** 8. International conference on the properties of water and steam. 280695, 280707.
- Giessen, Germany, F.R. 76 Jun 9.** 10. annual meeting of the Fachverband fuer Strahlenschutz e.V. and 17. annual meeting of the Vereinigung Deutscher Strahlenschutzärzte e.V. 301381, 301407, 301459, 301466, 301467, 301470, 301471, 301472, 301475, 301476, 301477, 301478, 301479, 301483, 301485, 301486, 301515, 301524, 301525, 301549, 301582, 301586, 301593, 301595, 301612, 301620, 301627, 301944, 302001, 302006, 303306.
- Giessen, Germany, F.R. 76 Jun 11.** 17. annual meeting of the Vereinigung Deutscher Strahlenschutzärzte. 306615.
- Gif-sur-Yvette, France. 75 Sep 8.** Summer school on particle physics. 285351, 285364, 285365, 285366, 285431, 285440, 291727, 291731, 291756.
- Gif-sur-Yvette, France. 76 Nov 3.** AFCET Congress: panorama of the French novelty in information processing. 311362.
- Glasgow, UK. 75 Aug 27.** 3. national computational physics conference. 297205, 297283, 297435, 297474, 297490, 297531, 297651, 297744, 297746, 298035, 299424, 299533.
- Glasgow, UK. 76 Apr 7.** Annual Chemical Congress. 287782.
- Goettingen, Germany, F.R. 75 May 26.** 4. German symposium on nuclear law. 290006, 290325, 290329, 290341, 290346, 290349, 290350, 291073, 291075, 291076, 291077, 291078, 291079, 291080, 291081, 291082, 291083, 291084, 291085, 291086, 291087, 291088, 291089, 291090, 291091, 291093, 291094.
- Golden, Colorado, USA. 76 Mar 2.** Interagency Mechanical Operations Group meeting. 283257, 284029.
- Grand Junction, Colorado, USA. 75 Oct 7.** Uranium industry seminar. 283445, 283457, 283465, 283469, 283472, 283473, 283477, 283936, 284420, 284421, 293139.
- Grenoble; Vienne, France. 76 Jun 5.** Numismatology meeting. 302871.
- Grenoble, France. 74 Oct 17.** One-day meeting for studying nuclear detectors. 281847, 281879, 281882.
- Grenoble, France. 75 Apr 15.** 9. Congress on the control of ionizing radiation. 287626.
- Grenoble, France. 75 Aug.** Symposium SM11 on solar fluxes and photochemistry. 302433.
- Grenoble, France. 75 Aug.** Symposium SM12 on transport processes in the thermosphere and exosphere. 302373, 302520.
- Grenoble, France. 75 Sep 3.** Symposium on marine chemical aspects of water and air pollution. 312545.
- Grenoble, France. 75 Sep 8.** 5. European solid state device research conference (ESSDERC 75). 281938, 281945, 287689.
- Grenoble, France. 75 Sep 15.** 18. Colloquium spectroscopieum internationale. 297356, 298135, 298190.
- Grenoble, France. 76 Mar 30.** Symposium on two phase flow and cavitation in power generation systems. 287158, 287159, 287160, 287163, 287164, 287165, 287166, 287167, 287168, 287170, 287171, 287172, 287173, 287174, 287176, 287177, 287178, 287180, 287181, 287182, 287183, 287184, 287185, 287186, 287189, 287190, 287191, 287192, 287194, 287195, 287197, 287198, 287199, 293629, 293631, 293635, 293636, 293637.
- Grenoble, France. 76 May 11.** 6. ICED meeting. 289538, 290491.
- Grenoble, France. 76 May 24.** Annual meeting of the French Society of Heat Engineers: thermal aspects of actual energy problems. 302017, 303752, 310765.
- Grenoble, France. 76 Jun 26.** 3. international meeting on theoretical and experimental aspects of heating of toroidal plasmas. 294419, 304503.
- Grenoble, France. 76 Jun 28.** 3. International meeting on theoretical and experimental aspects of heating of toroidal plasmas. 279978, 284962, 284986, 297403, 297427, 297450, 297514, 297528, 297536, 297540, 300300, 300307, 300312, 300315, 300318, 300330, 300331, 300337, 300343, 300346, 300348, 300366, 300369, 300383, 300393, 300397, 300401, 300402, 300406, 300413, 300414, 308213, 308237, 308240, 308245, 308247, 308259, 308281, 308287, 308318, 308327, 308383, 308402, 308404, 308406, 308407, 308425, 308426, 308431, 308435, 308437, 308449, 311643.
- Groningen, Netherlands. 76 Oct 22.** Nederlandse Natuurkundige Vereniging, Sectie Kernfysica, autumn meeting. 300581, 300582, 300605, 300615, 300629, 300635, 300641, 300664, 300665, 300673, 300674, 300675, 300677, 300678, 300686, 300692, 300696, 300699, 300703, 300713, 300714, 300715, 300718, 300719, 300721, 300724, 300731, 300734, 300738, 301601, 301651, 301888, 301973, 302033.
- Grouville Bay, Jersey. 76 Apr 9.** Spring residential conference on grain boundaries. 292753, 292756, 292804, 292865, 292933.
- Hahnenklee, Germany, F.R. 75 May 5.** 3. research co-ordination meeting of the seed protein improvement programme. 299084, 299086, 299088, 299089, 299091, 299092, 299093, 299094, 299095, 299097, 299099, 299100, 299102, 299103, 299104, 299105, 299109, 299110, 301238, 301239, 301240, 301241, 301242, 301243, 301245, 301248, 306325, 310475, 310476, 310477, 310478, 310481.
- Haifa, Israel. 75 Jun 1.** Annual meeting of the European two-phase flow group. 281381.
- Haifa, Israel. 76 Aug 24.** Haifa international workshop on topics in atomic physics related to nuclear instrumentation. 284930.
- Hamburg, Germany, F.R. 76 Feb 19.** German cancer congress. 296298, 296431.
- Hamburg, Germany, F.R. 76 Jun 9.** General meeting of the Deutsche Gesellschaft fuer Metallkunde e.V. 289652, 311524.
- Hamburg, Germany, F.R. 76 Sep 6.** 17. international conference on coordination chemistry. 298390, 298418, 312171.
- Hamilton, Ontario, Canada. 75 Jun 5.** 2. Canadian conference on earthquake engineering. 283809.
- Hanau, Germany, F.R. 76 Apr 27.** Technical seminar no. 5 1975/76. 296912.
- Hannover, Germany, F.R. 76 Mar 23.** Advanced training meeting: Isotope techniques in hydrology. 286635.
- Hannover, Germany, F.R. 76 Oct 25.** Symposium on the importance of the geosciences for the raw material supply. 307577.
- Heidelberg, Germany, F.R. 76 May 5.** 7. scientific meeting of the Deutsche Gesellschaft fuer Medizinische Physik e.V. 283731, 295238, 307468.
- Heidelberg, Germany, F.R. 76 Sep 27.** 19. ampere congress. 305930, 312213.
- Helgoland, Germany, F.R. 74 Sep 27.** Annual meeting of the Fachverband fuer Strahlenschutz e.V. 299254, 299255, 299258, 299263, 299265, 299266, 299267, 299268, 299271, 299272, 299275, 299335, 299459, 299918.
- Helsingor, Denmark. 76 Aug 23.** 4. international conference on positron annihilation. 305840.
- Helsinki, Finland. 76 Feb 6.** Annual meeting of the Finnish X-ray Society. 306619.
- Hollywood, Florida, USA. 75 Dec 15.** EPA symposium on environmental aspects of fuel conversion technology. 295125.
- Holmbury, UK. 75 May 22.** Symposium on the techniques of solar and cosmic X-ray spectroscopy. 285286, 287591, 287597, 287601, 287610, 287614, 287615, 287616, 287629, 287641, 287646, 287649, 287662, 287667, 287668, 287675, 287680, 287685, 287688, 287697, 287729, 287741, 290874, 311117.
- Homburg/Saar, Germany, F.R. 76 Sep 13.** annual meeting of the Deutsche Gesellschaft fuer Neuroradiologie. 296421, 301284, 303190, 306347.
- Honolulu, Hawaii, USA. 75 Aug 6.** 6. topical conference in particle physics. 282102, 282483, 282484, 282485, 282537, 282539, 282540, 282541, 282542, 282543, 282562, 282563, 282564, 282565, 282566.
- Honolulu, Hawaii, USA. 76 Oct 11.** 1. Pacific Basin topical conference on nuclear development and the fuel cycle. 290970, 291118, 293985, 297021.
- Horný Smokovec, Czechoslovakia. 74 Sep 26.** National solar seminar. 308478, 308488, 308597, 308601, 308619, 308698, 308702, 308739, 310216, 311105.
- Hot Springs, VA, USA. 76 May 25.** 99. annual meeting of the American Gynecological Society. 310380.
- Houston, Texas, USA. 75 Nov 30.** Annual winter meeting of the American Society of Mechanical Engineers. 281523, 290572.
- Houston, Texas, USA. 76 Mar 15.** 7. lunar science conference on utilization of lunar materials and expertise for large scale operations in space. 288380, 288440, 288496.
- Houston, Texas, USA. 76 Sep 27.** American Society for Nondestructive Testing Flash X-Ray symposium. 287274, 287285, 290442, 290443, 293718, 296619, 309688.
- Houston, Texas, USA. 76 Oct 10.** Conference on productivity through instrumentation and control. 288341.
- Houston, Texas, USA. 76 Oct 11.** Instrumentation Society of America meeting. 288342.
- Hradec Kralove, Czechoslovakia. 76 May 25.** 6. seminar on solid ceramic electrolytes. 301050, 301055, 301065, 301988.
- Innsbruck, Austria. 73 Oct 1.** Joint Autumn meeting of the



- Oesterreichische Physikalische Gesellschaft, 299824
- Innsbruck, Austria, 75 Apr 14.** IAEA symposium on reliability of nuclear power plants. 307001
- Ispra, Italy, 74 Sep 25.** 3. Meeting of the European working group on acoustic emission. 293721, 299507, 299509, 299512, 299514, 299515, 299519, 299521, 299523, 299781
- Ithaca, N.Y., USA, 76 Oct 25.** International symposium on advances in metal deformation: phenomena and mechanism 309889
- Ivry, France, 75 May 29.** Colloquium on the disk pressure tests 293704, 293709, 293710, 293713
- Jablonna, Poland, 76 Jan 19.** 2. CMEA symposium on biophysics of nucleic acids. 286699
- Jachymov, Czechoslovakia, 73 Dec 10.** 3. national symposium on radiological dosimetry. 271138
- Jakarta, Indonesia, 74 Mar 25.** Workshop on nuclear power plants technology. 299241, 299654, 299672, 299681, 299686, 299802, 299917, 299940, 301392, 301803, 301833, 301844, 302012
- Jaszowiec, Poland, 73 Apr 2.** 4. National seminar on semiconducting compounds A<sup>2</sup> - B<sup>2</sup>. 279744, 279778, 279809
- Jerusalem, Israel, 75 Jul 6.** 25. International congress of pure and applied chemistry. 293994
- Jerusalem, Israel, 76 Sep 14.** 6. European Congress on electron microscopy. 283371
- Jicin, Czechoslovakia, 75 Sep 29.** 5. national conference on industrial applications of radionuclides. 286639, 286997, 287117, 287139, 287277, 299339, 299344, 299349, 301534
- Juelich, Germany, F.R. 75 Sep 17.** Three countries' annual meeting on crystal growth. 311506, 312184, 312205, 312409, 312412
- Juelich, Germany, F.R. 75 Sep 23.** Symposium on highly excited states in nuclei. 300723
- Juelich, Germany, F.R. 75 Sep 29.** 1975 Discussion meeting on magnetic semiconductors. 284792, 284826, 284857, 284868, 284919, 286397, 286402, 286413, 286426, 286427, 286482, 286500, 287106, 289586, 292805, 292945
- Juelich, Germany, F.R. 76 Feb 13.** Panel discussion on iodine 123 in Western Europe. 299314
- Juelich, Germany, F.R. 76 Sep 20.** Technical meeting on nuclear methods in solid state chemistry. 282105, 282184, 282204, 282212, 282215, 282217, 282219, 282225, 282227, 282232, 282233, 282234, 282238, 282243, 282248, 282249, 282256, 282267, 282283, 282284, 282289, 282295, 282301, 282303, 282304, 282317, 282318, 282320, 282625, 282682, 282791, 282860, 282882, 282948, 282949, 283011, 283019, 283020, 283059, 283079, 283098, 283100, 283108, 283120, 283122, 283124, 283125, 283126, 283131, 283132, 283140, 283141, 283215, 283374, 283388, 283440, 284248, 284251, 284258, 284263, 284302, 291357
- Juelich, Germany, F.R. 76 Oct 18.** International symposium on plasma wall interaction. 308221, 308300, 308313, 308399, 311783
- Kalpakkam, India, 75 Feb 12.** National symposium on thermoluminescence and its applications. 291358, 292351, 292421, 293036, 293037, 293045, 293047, 293064, 293073, 293074, 293076, 293077, 293078, 293079, 293080, 293084, 293085, 293086, 293087, 293088, 293089, 293094, 293116, 293127, 293208, 293211, 293520, 293534, 293538, 293539, 293542, 293543, 293873, 293874, 293898, 293906, 293915, 293918, 293923, 293924, 293935, 296577
- Kandersteg, Switzerland, 74 Sep 16.** 6. international conference on magnetic resonance in biological systems. 310268
- Kanpur, India, 75 Aug 14.** Symposium on lasers. 279700
- Karlsruhe, Germany, F.R. 74 Jun 14.** 15. annual meeting of the Vereinigung Deutscher Strahlenschutzärzte e.V. 298852, 298923, 299150, 299154, 299230, 299248, 299250, 299251, 299264, 299270, 299273, 299274, 299277, 299279, 299280, 299986, 299994, 299995
- Karlsruhe, Germany, F.R. 75 Apr 14.** Educational seminar on the uses of californium-252 in teaching and research. 300669, 300690, 300735, 301531, 301584, 302657, 302878, 303146, 303149, 303151, 303296, 303331, 303332, 303336, 303340, 303344, 303345, 303764, 303968, 303978, 306164, 310425, 310697
- Karlsruhe, Germany, F.R. 75 Sep 8.** IAEA interregional training course on nuclear power project planning and implementation. 284141, 286690, 287041, 287785, 297932
- Karlsruhe, Germany, F.R. 75 Oct 6.** Thermodynamic colloquium of the VDI-Gesellschaft energy technic. 282469
- Karlsruhe, Germany, F.R. 75 Nov 3.** Advisory group meeting on transactinium isotope nuclear data. 285738, 285862, 287434, 287478, 287484, 287485, 287486, 287752, 288881, 288932, 288991, 288997, 289002, 289003, 289039, 289042, 289043, 289053, 289059, 289065, 289071, 289101, 289103, 292119, 296827
- Karlsruhe, Germany, F.R. 76 Mar 10.** Spring meeting of the Deutsche Physikalische Gesellschaft e.V., Fachausschuss Kern- und Hochenergiephysik Section B: particle physics. 285256
- Karlsruhe, Germany, F.R. 76 Aug 28.** 28. therapy congress and 28 pharmaceutical exhibition. 301280, 310518
- Karlsruhe, Germany, F.R. 76 Sep 6.** Euromech colloquium 80 on separation phenomena in gas mixture flows. 287099, 287161, 287162, 287175, 299282, 301496
- Karlsruhe, Germany, F.R. 76 Sep 6.** IAEA international training course on nuclear power project planning and implementation. 312020, 312049, 312564, 312943, 312948, 313186, 313244, 313257, 313544, 313598
- Karlsruhe, Germany, F.R. 76 Oct 28.** KTG technical day on fuel element of the sodium-cooled breeder. 307263
- Karpacz, Poland, 76 Sep 20.** 3. international symposium on specific interactions between molecules or ions. 280605
- Keszthely, Hungary, 76 Jun 1.** 4. symposium on radiation chemistry 280735
- Kharkov, Ukrainian SSR, 74 Jan 29.** 24. annual conference on nuclear spectroscopy and nuclear structure. 291991
- Kharkov, Ukrainian SSR, 76 Jun 7.** 4. all-union conference on nuclear particles interaction with solid surface. 311465, 311466, 311467, 311468, 311472, 311473, 311481, 311483, 311485, 311486, 311487, 311489, 311491, 311499, 311500, 311501, 311504, 311505, 311511, 311512, 311514, 311516, 311519, 311525, 311536, 311537, 311538, 311540, 311541, 311547, 311555, 311556, 311557, 311559, 311560, 311561, 311567, 311573, 311574, 311578, 311579, 311587, 311588, 311591, 311598, 311599, 311600, 311602, 311603, 311604, 311605, 311611, 311612, 311616, 311617, 311618, 311624, 311625, 311991, 312154, 312433, 312434, 312446
- Kharkov, Ukrainian SSR, 76 Jun 24.** 4. all-union seminar on linear accelerators. 303386, 303388, 303419, 303420, 303422, 306770, 306771, 306772, 306774, 306775, 306776, 306777, 306778, 306779, 306780, 306781, 306782, 306783, 306784, 306785, 306786, 306787, 306789, 306790, 306791, 306792, 306793, 306794, 306795, 306796, 306797, 306798, 306799, 306802, 306803, 306804, 306805, 306806, 306807, 306808, 306809, 306810, 306811, 306812, 306813, 306814, 306815, 306817, 306819, 306824, 306825, 306826, 306827, 306829, 306830, 306831, 306836, 306837, 306838, 306840, 306842, 306843, 306846, 306847, 306848, 306849, 306850, 306851, 306854, 306855, 306856, 306857, 306858, 306859, 306860, 306862, 306863, 306864, 306865, 306866, 306867, 306868, 306869, 306871, 306876, 306877, 306878, 306879, 306880, 306881, 306883, 306885, 306886, 306888, 306889, 306890, 306891, 306892, 306893, 306895, 306896, 306898, 306901, 306902, 306903, 306904, 306905, 306907, 306908, 306909, 306910, 306911, 306912, 306913, 306914, 306915, 311049, 311052
- Kiev, Ukrainian SSR, 75 Feb 4.** 12. conference on luminescence (molecular luminescence). 282116, 282229, 282115, 282112, 286541
- Kiev, Ukrainian SSR, 75 Apr. 3.** all-union seminar on sintered structure materials. 292649, 292965, 292970, 292975, 292976, 292984, 292997, 292998, 293004, 301065
- Kiev, Ukrainian SSR, 76 Sep 21.** Structure and tensile properties of steels and alloys. 292729, 292748, 292751, 292788, 292791, 292828, 292893, 292896, 292907, 292957
- Kiev, Ukrainian SSR, USSR, 74 Oct 28.** 2. international conference on plasma theory. 291807
- Kiryat Anavim, Israel, 76 May 10.** 9. international conference on electromagnetic isotope separators and related ion accelerators. 302941, 308000, 308074, 308167, 309653, 309655, 310641, 310642, 310644, 310645, 310647, 310648, 310649, 310650, 310651, 310652, 310653, 310654, 310655, 310656, 310657, 310658, 310659, 310660, 310661, 310662, 310663, 310664, 310665, 310666, 310667, 310668, 310669, 310670, 310671, 310672, 310673, 310675, 310676, 310679, 310686, 310689, 310694, 310697, 310699, 310704, 310812, 310818, 310840, 310847, 310853, 311218
- Koeln, Germany, F.R. 76 Oct 28.** Recent developments in the radiological environmental protection of nuclear facilities IRS experts' talk 1976. 281118, 281368, 281377, 281391, 282002, 293471, 306767
- Koenigstein, Germany, F.R. 76 Sep 13.** General discussion on energy transfer processes in chemical reactions. 294181, 304145, 312212
- Konstanz, Germany, F.R. 76 Jul 5.** Scientific meeting of the Gesellschaft fuer Thermische Analyse e.V. 285922
- Kosice, Czechoslovakia, 75 Jun 4.** 10. meeting of Czechoslovak power engineers. 303458, 303602, 303607
- Kosice, Czechoslovakia, 75 Sep 9.** 12. annual meeting of the Czechoslovak society for microbiology. 281547, 281566, 281572, 283574, 283584, 283585, 283586, 283589, 283682, 283764
- Krakow, Poland, 72 Dec 1.** 5. All-Polish seminar on nuclear magnetic resonance and its applications. 288045, 288055, 288074, 288083, 288084, 288096, 288115, 288118, 288119, 288120, 288123, 288125, 288133, 288137, 291297, 291392, 300241
- Krakow, Poland, 73 Aug 28.** First specialized "Colloque Ampere". 308008, 308010, 308024, 308063, 308064, 308068, 308076, 308079, 308088, 308093, 308099, 308111, 308119, 308125, 308131, 308139, 308146, 308153, 308163, 308192, 311479, 311495, 311513, 311539, 311546, 311558, 311568, 311569, 311586, 311613
- Krakow, Poland, 75 Aug 25.** International conference on Moessbauer spectroscopy. 284819
- Kumatori, Osaka, Japan, 73 Jun 29.** Study meeting on the molecular mechanism in chromosome abnormalities induced by radiation. 301155, 301161, 301165, 301168, 301172
- Kumatori, Osaka, Japan, 73 Oct 8.** Study meeting on pulse spectroscopic solid state physics and its application to radiation chemistry. 279754, 279768, 279801, 280792, 282258, 282424, 282402
- Kumatori, Osaka, Japan, 73 Oct 24.** Symposium on radioiodine. 280697, 281289, 281293, 281300, 281303, 281307, 281344, 281351, 281870, 281975, 281976
- Kyoto, Japan, 74 Mar 25.** 6. international vacuum congress. 312380, 314056, 311057, 311061
- L'vov, Ukrainian SSR, 72 Nov 15.** 7. all-union scientific and technological geophysical conference. 278737, 283447, 283448, 283458, 283460, 283461, 283462, 283467, 283468, 283475, 283482, 283484, 286610, 298811, 296002, 296005
- L'vov, Ukrainian SSR, 74 Oct 3.** 2. all-union conference on crystallochemistry of intermetallic compounds. 279794, 280875, 280882, 280923, 280924, 280941, 280942, 280945, 280948, 280955, 280959, 280973, 280975, 280980, 280987, 280990, 281007, 281009, 281352, 281394
- La Toussuire, France, 77 Feb 28.** 4. Biennial nuclear physics lectures



- 302667, 309211.  
**Lafayette, Indiana, USA. 74 May 7.** 29. industrial waste conference 281126  
**Lafayette, Indiana, USA. 76 Jul 27.** Joint automatic control conference 281474  
**Lafayette, LA, USA. 73 May 6, 14.** SPWLA annual logging symposium. 310129  
**Lahnstein, Germany, F.R. 76 May 24.** Annual meeting 1976 of the DGZIP 'nondestructive materials testing'. 281636, 287281, 293703, 296764  
**Lake Tahoe, Nevada, US. 76 Sep 12.** 11. intersociety energy conversion engineering conference. 311070  
**Lancaster, UK. 76 Sep 3.** Annual meeting of the British Association for the Advancement of Science. 297068  
**Laramie, Wyoming, USA. 76 Jun 17.** Rocky Mountain regional meeting of the American Chemical Society. 292183  
**Las Vegas, Nevada, USA. 73 Sep 24.** Symposium on noble gases. 281283  
**Las Vegas, Nevada, USA. 75 May 6.** Information meeting of the applied ecology group. 289901.  
**Las Vegas, Nevada, USA. 76 Feb 12.** Nevada applied ecology group plutonium and other transuranics information conference 281110.  
**Las Vegas, Nevada, USA. 76 Feb 22.** AIME annual meeting. 298681, 307285.  
**Las Vegas, Nevada, USA. 76 Feb 23.** Symposium on failure modes in composites. 298587.  
**Lausanne Dorigny, Switzerland. 75 Jul 8.** Abundance effects in classification. 302359, 302365, 302367, 302369, 302374, 302377, 302380, 302384, 302387, 302392, 302393, 302402, 302408, 302424, 302425, 302426, 302429, 302436, 302438, 302440, 302446, 302463, 302464, 302467, 302469, 302478, 302479, 302481, 302484, 302486, 302493, 302494, 302497, 302499, 302507, 302509, 302518, 302527, 302529, 302530, 302533, 302534.  
**Lausanne, Switzerland. 75 Sep 1.** 7. European conference on plasma physics. 284968.  
**Lausanne, Switzerland. 76 May 12.** 1. Congress of the European Nuclear Medicine Society. 301508  
**Leeds, UK. 76 Apr 13.** 7. L. H. Gray memorial conference on medical images: formation, perception and measurement 281340  
**Leeds, UK. 76 Jul 5.** 5. international conference on non aqueous solutions. 312192  
**Leeds, UK. 76 Sep 14.** 5. European cosmic ray symposium. 308578  
**Leningrad, USSR. 73 Oct. 5.** scientific and technical conference on ultrasound flaw detection of welded joints. 300971  
**Leningrad, USSR. 75 Jan 28.** 25. annual conference on nuclear spectroscopy and nuclear structure. 309100, 309123, 309196, 309220, 309260, 309308, 309368, 312054  
**Leningrad, USSR. 76 May 17.** IAEA meeting on LMFBR fuel reprocessing. 295158, 295584, 295586, 297050, 297051, 308795, 310567.  
**Lerum, Sweden. 76 Jun 11.** Nobel symposium on nonlinear effects in plasmas. 288260  
**Les Houches, France. 75 Jun 2.** Structural analysis of collision amplitudes. 294050, 294051, 294061, 294064, 294078, 294097, 294666, 294684, 294685, 294687, 294711, 294712, 294714, 294725, 294726.  
**Leuven, Belgium. 75 Sep 10.** International meeting on hyperfine interactions. 307829, 307841, 307896, 307899, 307909, 307917, 307985, 308005, 308014, 308015, 308017, 308019, 308021, 308025, 308027, 308034, 308035, 308036, 308040, 308043, 308044, 308045, 308047, 308048, 308049, 308050, 308053, 308055, 308056, 308057, 308059, 308060, 308061, 308069, 308072, 308095, 308097, 308098, 308102, 308104, 308105, 308106, 308107, 308113, 308116, 308117, 308120, 308132, 308135, 308136, 308137, 308138, 308140, 308141, 308143, 308149, 308151, 308156, 308157, 308158, 308164, 308165, 308166, 308168, 308170, 308173, 308175, 308179, 308180, 308184, 308186, 308195, 308203, 308206, 308209, 309262, 309264, 309275, 309276, 309280, 309295, 309336, 309339, 309347, 309349, 309352, 309365, 309402, 309456  
**Lihlice, Czechoslovakia. 75 Jun 16.** Symposium on hadron hadron scattering at high energies. 297776, 297788, 297792, 297793, 297794, 297798, 297803, 297808, 297814, 297823, 297812, 297834, 297842, 297846, 297850, 297851, 297857, 297858, 297864, 297877, 297888, 297896, 297898, 300498  
**Livermore, California, USA. 76 Jul 13.** Joint US USSR symposium on fusion fission reactor. 288266, 294324, 294397, 294427, 294450, 297420, 297484, 304520, 311655, 311660, 311663, 311687, 311707, 311718, 311719, 311729, 311752, 311753, 311762, 311764, 311774, 311784, 311799  
**Livermore, California, USA. 76 Oct 5.** Meeting of IMOG subgroup on gaging. 313377  
**Livermore, California, USA. 76 Oct 25.** Integrated contractors meeting on coatings and the joint working group 12A coating meeting. 309691, 309904  
**Livermore, California, USA. 76 Dec 6.** Weapons Agencies Nondestructive Testing Organization meeting. 313407  
**London, UK. 74 Sep 10.** International conference on nuclear insurance and indemnity. 287822  
**London, UK. 75 Mar 5.** International conference on uranium isotope separation. 282825, 282832, 282865, 282893, 283103, 283904, 283905, 283908, 283909, 283910, 283912, 283913, 283916, 283917, 283918, 283919, 283920, 283921, 283924, 283925, 283926, 283927, 283928, 283929, 283930, 283937, 284172, 284419, 284423, 284424, 284426  
**London, UK. 75 Jun 9.** The moon - a new appraisal from space missions and laboratory analyses, arranged by the British National Committee on Space Research 311822, 311827, 311836, 311840, 311854, 311858, 311864, 311868, 311869, 311874, 311877, 311897, 311900, 312072, 312498, 312502, 312529, 312538  
**London, UK. 75 Jun 11.** Symposium on ionising radiation safety. 281450  
**London, UK. 75 Sep 1.** 3. international conference on structural mechanics in reactor technology. 284983, 286403, 286411, 286412, 286430, 286431, 286434, 286445, 286454, 286469, 286530, 286532, 286533, 286534, 286537, 286543, 286564, 286566, 287003, 287004, 287008, 287009, 287010, 287011, 287012, 287013, 287014, 287016, 287017, 287021, 287023, 287029, 287030, 287031, 287032, 287037, 287038, 287042, 287043, 287044, 287045, 287046, 287047, 287048, 287049, 287050, 287051, 287052, 287053, 287054, 287055, 287057, 287059, 287060, 287063, 287065, 287067, 287196, 287220, 287225, 287278, 287279, 287280, 287283, 287286, 287300, 287301, 287302, 287303, 287304, 287305, 287307, 287310, 287312, 287313, 287315, 287316, 287317, 287319, 287320, 287321, 287322, 287325, 287326, 287327, 287328, 287330, 287331, 287334, 287335, 287336, 287337, 287341, 287342, 287343, 287347, 287348, 287349, 287350, 287351, 287352, 287354, 287355, 287356, 287358, 287361, 287365, 287366, 287367, 287368, 287369, 287370, 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**Los Alamos, New Mexico, USA.** 75 Jul 30. Tritium operating safety seminar 306597
- Los Alamos, New Mexico, USA.** 75 Nov 3. 1. ERDA statistical symposium 281595, 290185
- Los Alamos, New Mexico, USA.** 76 May 17. CTR insulator meeting 281043, 304373
- Los Alamos, New Mexico, USA.** 76 Oct 19. 5. annual conference of the International Nuclear Target Development Society 312368
- Los Angeles, California, USA.** 75 Nov 16. AIChE 68. Annual meeting 281957
- Los Angeles, California, USA.** 76 Sep 28. International telemetry conference 284455
- Los Angeles, California, USA.** 76 Oct 25. IAEA symposium on medical radionuclide imaging. 310454, 310458, 310461, 310469, 311104, 313417
- Lowell, Massachusetts, USA.** 76 Jul 6. International conference on the interactions of neutrons with nuclei 290396, 308360, 308729, 309069, 309071, 309073, 309095, 309108, 309129, 309130, 309134, 309136, 309157, 309165, 309173, 309183, 309185, 309186, 309192, 309210, 309221, 309234, 309258, 309274, 309294, 309306, 309316, 309322, 309340, 309366, 309377, 309380, 309393, 309405, 309422, 309437, 309458, 309469, 309897, 309999, 310274, 310382, 310758, 310819, 310824, 310929, 311063, 311199
- Lubbock, Texas, USA.** 76 Nov 9. IEEE international pulsed power conference. 308328, 308358, 308366, 308440, 310820, 310879, 311759, 313028, 313063, 313071
- Lucas Heights, Australia.** 76 Nov 8. 8. AINSE radiation chemistry conference. 298421, 298424, 298425, 298426, 298427, 298428, 298429, 298430, 298433, 298435, 298440, 298441, 298442, 298444, 298447, 298449, 298454, 298456, 298459, 298460, 298464, 298465, 298469, 298471, 298472, 298480, 298481
- Lund, Sweden.** 76 Mar. Nordic symposium on atomic and molecular transition probabilities. 307856
- Lund, Sweden.** 76 Aug 23. international conference on particle induced x-ray emission and its analytical applications 306692, 306693
- Luxembourg, Luxembourg.** 76 Sep 27. Seminar on radiation protection problems in connection with the preparation and use of pharmaceuticals containing radioactive substances. 301469
- Lynchburg, Virginia, USA.** 76 Oct 4. American Nuclear Society meeting on x-ray. 312088
- Lyon, France.** 74 Jan 24. European technological congress on nuclear medicine. 286860
- Lyon, France.** 76 Apr 28. Symposium on the photoelectron spectroscopy (X PS or ESCA and UPS). 280970, 284797, 284835
- Lyon, France.** 76 Jun 28. International symposium on spectroscopy of transition and heavy elements in solids 300181, 312215
- Madison, Wisconsin, USA.** 76 Apr 22. International conference on production of particles with new quantum numbers. 285512
- Manchester, UK.** 75 Apr. Ion implantation and ion beam analysis techniques in corrosion. 286336, 286337, 292637, 292641, 292642, 292655
- Mannheim, Germany, F.R.** 76 Oct 6. Main meeting on welding 298520, 299564, 299574
- Mannheim, Germany, F.R.** 77 Mar 29. Reactor congress 1977 302288, 302292, 302293, 302296, 302306, 302315, 302321, 302333, 302338, 302340, 302343, 302347, 302942, 302945, 302947, 302948, 302949, 302955, 302959, 302963, 302964, 302970, 302971, 302978, 302985, 302992, 302993, 303008, 303012, 303050, 303052, 303074, 303086, 303088, 303196, 303206, 303209, 303212, 303220, 303225, 303226, 303227, 303230, 303232, 303234, 303241, 303244, 303245, 303246, 303248, 303252, 303253, 303264, 303267, 303278, 303312, 303320, 303361, 303362, 303363, 303364, 303367, 303369, 303372, 303373, 303375, 303376, 303378, 303431, 303437, 303459, 303460, 303461, 303462, 303463, 303464, 303465, 303466, 303467, 303470, 303471, 303472, 303473, 303480, 303485, 303487, 303491, 303492, 303493, 303513, 303514, 303516, 303518, 303519, 303520, 303522, 303523, 303524, 303525, 303526, 303527, 303528, 303529, 303531, 303534, 303537, 303539, 303541, 303543, 303546, 303547, 303548, 303549, 303550, 303551, 303552, 303555, 303556, 303560, 303561, 303563, 303565, 303567, 303573, 303574, 303575, 303576, 303577, 303578, 303586, 303588, 303589, 303590, 303591, 303597, 303598, 303599, 303600, 303601, 303603, 303604, 303605, 303609, 303610, 303613, 303614, 303615, 303618, 303619, 303620, 303621, 303622, 303623, 303624, 303625, 303626, 303627, 303628, 303629, 303630, 303631, 303632, 303633, 303634, 303635, 303636, 303637, 303638, 303640, 303641, 303642, 303643, 303645, 303646, 303647, 303648, 303649, 303652, 303654, 303655, 303656, 303657, 303658, 303659, 303661, 303662, 303663, 303664, 303665, 303666, 303667, 303668, 303669, 303671, 303672, 303673, 303674, 303675, 303676, 303677, 303678, 303679, 303680, 303697, 303698, 303699, 303704, 303707, 303708, 303709, 303711, 303720, 303723, 303729, 303730, 303731, 303732, 303733, 303734, 303735, 303736, 303738, 303739, 303742, 303743, 303745, 303750, 303754, 303758, 303789, 303792, 303802, 303806, 303810, 303811, 303816, 303817, 303818, 303849, 303850, 303851, 303866, 303868, 303873, 303888, 303900, 303901, 303908, 303944, 303946, 306371, 306574, 307167
- Marburg, Germany, F.R.** 76 Mar 12. 12. annual congress of the International Association for Dental Research, Continental European Division. 286819, 299025
- Marianske Lazne, Czechoslovakia.** 75 Apr 27. 8. radiochemical conference. 280614, 280625, 280662, 280682, 282251, 282675, 282679, 282705, 282733, 282743, 282777, 282808, 282816, 282829, 282830, 282839, 282848, 282854, 282864, 282873, 282878, 282881, 282883, 282902, 282920, 282931, 282934, 282941, 282946, 282956, 282960, 282961, 282980, 282983, 283005, 283006, 283007, 283022, 283024, 283034, 283036, 283038, 283041, 283051, 283060, 283076, 283085, 283087, 283099, 283101, 283105, 283110, 283111, 283112, 283114, 283116, 283117, 283121, 283129, 283130, 283131, 283132, 283133, 283134, 283139, 283144, 283145, 283167, 283168, 283169, 283186, 283187, 283188, 283192, 283208, 283211, 283212, 283213, 283214, 283215, 283216, 283217, 283218, 283219, 283220, 283221, 283222, 283223, 283224, 283225, 283226, 283227, 283228, 283229, 283230, 283231, 283232, 283233, 283234, 283235, 283236, 283237, 283238, 283239, 283240, 283241, 283242, 283243, 283244, 283245, 283246, 283247, 283248, 283249, 283250, 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- Moscow, USSR. 75 Jan. 5.** all-union conference on electrochemistry. 309687.
- Moscow, USSR. 75 May 26.** 5. international conference on high pressure physics and technology. 308077, 309740, 309742, 309799, 309829, 309883, 309892, 309920, 309948.
- Moscow, USSR. 75 Nov 25.** 5. all-union coordination meeting on dosimetry of ionizing radiation intensive beams. 281101, 281845, 281849, 281861, 284324.
- Moscow, USSR. 76 May 18.** 5. European conference on thermophysical properties of solids at high temperatures. 295891, 295912, 295914, 295923, 295926, 296861.
- Moscow, USSR. 76 Sep 29.** 2. symposium on collective methods of acceleration. 313085.
- Muenchen, Germany, F.R. 74 May.** Meeting of the Schutzkommission beim Bundesministerium des Innern. 310209, 310242, 310295, 310327, 310559.
- Muenchen, Germany, F.R. 74 May 13.** VDE experts' meeting on electric machinery and drives in thermal power stations. 293770.
- Muenchen, Germany, F.R. 75 Oct 27.** Symposium on data processing in the public health service. 301319.
- Muenchen, Germany, F.R. 76 Apr 9.** European meeting on biochemical and instrumental analysis in conjunction with the international exhibition. *Analytica* 76. 283733, 296429, 296430.
- Muenchen, Germany, F.R. 76 May 5.** Information meeting on the AD leaflets of the HP series. 299526.
- Muenchen, Germany, F.R. 76 May 19.** 9. Allianz forum on engineering and insurance. 310605.
- Muenchen, Germany, F.R. 76 Jun 8.** Meeting of the European Society of Nuclear Methods in Agriculture. 296646.
- Muenchen, Germany, F.R. 76 Jun 8.** Sub-meeting on ionizing radiation in waste treatment. 301513.
- Muenchen, Germany, F.R. 76 Sep 13.** 1976 International conference: modern trends in activation analysis. 280538, 285906, 285955, 292165, 292198, 300739, 300748, 300760, 300793, 300794, 302870, 310145.
- Muenchen, Germany, F.R. 76 Sep 13.** 6. European solid state device research conference. 286545, 293966, 299856.
- Muenchen, Germany, F.R. 76 Oct 11.** VDE congress and 59. general meeting of the VDE. 301734.
- Muenchen, Germany, F.R. 76 Oct 13.** DKV-annual meeting and joint meeting with the International Inst. of Refrigeration. 307555.
- Muenchen, Germany, F.R. 76 Nov 23.** Seminar on reliability assurance and quality testing in electronics. 313101, 313102, 313108, 313483, 313490, 313507, 313511, 313512, 313516, 313653.
- Muenster, Germany, F.R. 76 Sep 25.** Scientific meeting of the Rheinisch-Westfaelische Roentgensgesellschaft e.V. 296223.
- Muroran, Hokkaido, Japan. 73 Jul 27.** 34. symposium on analytical chemistry. 282666.
- Nancy, France. 76 Aug 30.** 4. international conference on the strength of metals and alloys. 298600, 300974, 300975, 300977, 300978, 300981, 300983, 300988, 300992, 300996, 300999, 301000, 301004, 301014, 301016, 301018, 301021, 301022, 301027, 301029, 301035, 301038, 301042, 301044, 301079, 301083, 303006, 303010, 303024, 303026, 303027, 303031, 303035, 303036, 303038, 303039, 303053, 303059, 303061, 303070, 303071, 303077, 303089, 303093.
- Nashville, Tennessee, USA. 76 Mar 1.** Conference on particle searches and discoveries. 288587, 288594, 288720, 288741, 288761, 288767, 288768, 288769, 288770, 288772, 288773, 288775, 288777, 288782, 288785, 288786, 288789, 288790, 288791, 288792, 288798, 288800, 288804, 288805, 288808, 288809, 288810, 288812, 288813, 288814, 291821.
- Neuherberg/Muenchen, Germany, F.R. 76 Sep 20.** 2. international symposium on biological effects of Ra-224. 283700, 286240, 286802, 286803, 286816, 286817, 286818, 286828, 286836, 286844, 286854, 290036, 296232, 296246, 296254, 296266, 298948.
- Neuherberg/Muenchen, Germany, F.R. 76 Sep 30.** 9. international conference on solid state nuclear track detectors and meeting of the Working Group on Space Biophysics of the Council of Europe. 283891, 284241, 285130, 285131, 285281, 287585, 287607, 287611, 287617, 287627, 287632, 287664, 291381, 291384, 291560, 291667, 293051, 293125, 293526, 293875, 293877, 293888, 293890, 293891, 293896, 293900, 293909, 293926, 293927, 293930, 293932, 293937, 296027, 296031, 296957, 296975, 296977, 299352, 299834, 299838, 299849, 299850, 299851, 299882, 300448, 301891, 301892, 301906, 301918, 301921, 301931, 301935, 301965, 301968, 301969, 301974, 301975, 302403, 311160, 313450.
- New Delhi, India. 75 Jan 28.** 1. Annual technical conference of the Powder Metallurgy Association of India. 289530, 289532.
- New Delhi, India. 75 Dec 29.** 7. international conference on new body problems in nuclear and particle physics. 297890, 302198, 302205, 302206, 302214, 302220, 302550, 302562, 302572, 302601, 302606, 302655, 302660, 302661, 302662, 302663, 302665, 302668, 302669, 302670, 302671, 302674, 302675, 302676, 302677, 302678, 302680, 302682, 302685, 302686, 302688, 302689, 302690, 302692, 302694, 302695, 302697, 302698, 302701, 302702, 302705, 302706, 302707, 302708, 302709, 302710, 302711, 302712, 302713, 302716, 302717, 302718, 302719, 302720, 302721, 302722, 302723, 302724, 302725, 302727, 302728, 302729, 302730, 302731, 302732, 302733, 302735, 302738, 302741, 302742, 302743, 302744, 302745, 302747, 302749, 302750, 302752, 302753, 302754, 302755, 302756, 302758, 302759, 302762, 302764, 302765, 302766, 302767, 302768, 302769, 302770, 302771, 302772, 302773, 302774, 302775, 302776, 302777, 302778, 302779, 302780, 302784, 302785, 302786, 302787, 302788, 302789, 302790, 302791, 302792, 302793, 302795, 302796, 302797, 302798, 302799, 302804, 302807, 302808, 302811, 302812, 302814, 302815, 302819, 302822, 302828, 302831, 302836, 302841, 302844, 302845, 302847, 302853, 302854, 302857, 302859, 302860, 302863, 302865, 303395, 303404, 303756, 303757, 303761, 303773, 304962, 305193, 306839.
- New Delhi, India. 77 Jan 10.** 6. world earthquake conference. 313035.
- New Orleans, Louisiana, USA. 76 Apr 19.** 2. international congress of quantum chemistry. 282521.
- New Orleans, Louisiana, USA. 76 Jun 2.** Symposium on biological evaluation of environmental impact. 296529.
- New Orleans, Louisiana, USA. 76 Oct 20.** Nuclear science, scintillation and semiconductor counter symposium. 290304, 296924, 296958, 296970, 297113, 299815, 299816, 299830, 299833, 305032, 307456, 307471, 307492, 310213, 310954, 311073, 311076, 311086, 311108, 311118, 312108, 313466, 313626.
- New York, New York, USA. 75 Feb.** AIME annual meeting. 280568.
- New York, New York, USA. 76 Jan 25.** IEEE PES winter meeting and Tesla symposium. 313333.
- New York, New York, USA. 76 Apr 5.** Conference of the division of fuel chemistry, of the American Chemical Society. 286350.
- New York, New York, USA. 76 Apr 26.** 3. international symposium on detection and prevention of cancer. 281218.
- New York, New York, USA. 76 Aug 30.** 71. annual meeting of the American Sociological Association. 310594.
- New York, New York, USA. 76 Sep 14.** Electro-optics laser conference and exposition. 308285, 311781, 312167, 312179, 312566.
- New York, New York, USA. 76 Oct 11.** 10. midyear symposium for Health Physics Society. 310141, 310164, 310435, 311192, 312479.
- New York, New York, USA. 76 Nov 29.** Annual meeting of the American Society of Mechanical Engineers. 308363, 309765, 309811, 309812, 309855, 310767, 313200, 313352, 313373, 313374.
- New York, New York, USA. 77 Jan 30.** Meeting of the IEEE Power Engineering Society. 313104.
- Newark, Del. 75 Aug 18.** 10. intersociety energy conversion engineering conference. 285302.
- Newcastle, UK. 76 Apr.** Conference on the origin of the Solar System. 308463.
- Nord-Torpa, Norway. 76 Sep 13.** Specialists meeting on the behavior of water reactor fuel elements under accident conditions. 312847.
- Norfolk, VA, USA. 73 Oct 20.** Annual meeting of the Medical Society of Virginia. 306298.
- Nottingham, UK. 76 Mar 24.** 3. Conference on industrial robot technology. 281562.
- Nuremberg, Germany, F.R. 75 Apr 8.** Reactor congress. 284185, 293715.
- Nuremberg, Germany, F.R. 75 May 20.** General meeting of the Deutsche Gesellschaft fuer Metallkunde. 312312.
- Oak Ridge, Tennessee, USA. 75 Jul 7.** Energy sources of the future meeting. 282012.
- Oak Ridge, Tennessee, USA. 76 Apr 12.** Seminar on radiation energy spectra unfolding. 296909, 296910, 296918, 296930, 296935, 296941, 296942, 296945, 296946, 296947, 296949, 296950, 296956, 296962, 296963, 296971, 296972, 296983, 296985, 299808, 299823, 299846, 299861.
- Oak Ridge, Tennessee, USA. 76 Apr 26.** Symposium on radiopharmaceutical dosimetry. 283713.
- Oak Ridge, Tennessee, USA. 76 May 11.** National waste terminal storage program prospective participants conference. 293992.
- Oak Ridge, Tennessee, USA. 76 Jun 8.** Workshop on correlation of neutron and charged particle damage. 305992, 310075.
- Oak Ridge, Tennessee, USA. 76 Oct 25.** 2. ERDA statistical symposium. 308411, 312542.
- Obninsk, USSR. 74 Jun 25.** 20. anniversary of nuclear power engineering. 287081.
- Odessa, USSR. 75 Oct.** Interaction between water and living matter, international symposium. 283699.
- Olomouc, Czechoslovakia. 75 Aug 27.** 25. meeting on pharmacology. 286757, 286766, 286772, 286978, 293271.
- Orsay, France. 76 Jun 9.** 1. Meeting GANIL. Workshop on facilities and experimental devices. 301606, 301610, 303392, 303398, 303399, 303400, 303401, 303405, 303408, 303414, 303423, 303424.
- Osaka, Japan. 75 Oct 1.** 12. National convention for the study on information and documentation. 297105, 297106.
- Osaka, Japan. 76 Jun 7.** Seminar on geometric models of the elementary particles. 288624.
- Oslo, Norway. 75 Feb 11.** Nuclear power - should we have doubts - what do the experts think. 310977.
- Oslo, Norway. 76 May 24.** IAEA symposium on nuclear fuel quality assurance. 284183.
- Otaniemi, Finland. 76 Aug 2.** Symposium on the design of and equipment for hot laboratories. 290214.
- Ottawa, Ontario, Canada. 75 Jun 15.** Canadian Nuclear Association 15. annual international conference. 298746, 299179, 299300, 299741, 299743, 299745, 299746, 299747, 299748, 299749, 299752, 299754, 299755, 299756, 299757, 299924, 299957.



- 299960, 299977, 300024, 300025, 300049, 303966.  
**Ottawa, Ontario, Canada. 76 Jul 25.** 4. international conference on medical physics. 312602.
- Ottawa, Ontario, Canada. 76 Aug 2.** 11. International conference on medical and biological engineering and exhibit. 299827.
- Oxford, UK. 75 Mar 18.** Symposium on archaeometry and archaeological prospection. 305577.
- Oxford, UK. 76 Jul 5.** Topical conference on Baryon resonances. 285530, 291829, 297770, 297774, 297775, 297781, 297782, 297784, 297785, 297786, 297799, 297801, 297802, 297804, 297807, 297819, 297820, 297822, 297824, 297827, 297833, 297836, 297839, 297843, 297844, 297845, 297853, 297860, 297861, 297862, 297866, 297869, 297874, 297884, 297885, 297887, 297889, 297891, 297893, 297894, 297903, 300538, 300553.
- Pacific Grove, California, USA. 75 Nov 30.** Workshop on automated cytogenetics. 301184.
- Pacific Grove, California, USA. 76 May 17.** 3. International symposium on biotelemetry. 287596.
- Pacific Grove, California, USA. 76 Nov 22.** Asilomar conference on circuits, systems and computers. 311222.
- Palaiseau, France. 76 Oct 18.** European conference on laser interaction with matter. 308211, 308223, 308224, 308347, 308409, 308410, 308423, 308424, 311788.
- Palo Alto, California, USA. 76 Aug 17.** Applied superconductivity conference. 294389, 296735.
- Pantnagar, India. 74 Apr 12.** Symposium on use of radiations and radioisotopes in studies of plant productivity. 285918, 286596, 286615, 286736, 286743, 286810, 286858, 286862, 286865, 286867, 286868, 286869, 286870, 286871, 286872, 286874, 286875, 286881, 286882, 286883, 286884, 286885, 286886, 286887, 286888, 286889, 286890, 286891, 286892, 286893, 286895, 286899, 286901, 286902, 286903, 286904, 286905, 286906, 286907, 286908, 286909, 286910, 286911, 286912, 286913, 286914, 286915, 286917, 286918, 286919, 286921, 286923, 286924, 286925, 286926, 286927, 286928, 286929, 286930, 286931, 286932, 286933, 286936, 286937, 286938, 286940, 286941, 286942, 286943, 286944, 286945, 286946, 286947, 286948, 286949, 286950, 286951, 286952, 286953, 286954, 286956, 286958, 286959, 286960, 286961, 286962, 286963, 286964, 290075, 290080, 290081, 290100, 293371.
- Paris, France. 72 Oct 9.** 4. international conference on reactor shielding. 290790.
- Paris, France. 73 Apr 27.** Meeting on the utilization of non destructive testing in the in-service inspection of industrial plants. 293590.
- Paris, France. 74 Sep 30.** Autumn meeting on metallurgy. 280934, 300986.
- Paris, France. 74 Dec 9.** 32. Congress of the spectrographic and physico-chemical methods advancement group (G.A.M.S.). 285916.
- Paris, France. 75 Apr 5.** O.C.D.E. Special meeting on decision for nuclear accident situation. 303239.
- Paris, France. 75 Apr 21.** European nuclear conference on nuclear energy maturity. 281388, 281398, 281734, 281766, 281780, 281794, 283855, 287500, 287554, 287559, 287760, 287765, 287766, 289494, 290800, 298700, 299281, 299283, 299284, 299287, 299289, 299291, 299292, 299293, 299295, 299296, 299297, 299298, 299305, 299697, 299760, 299764, 299770, 299771, 299772, 299774, 299782, 299945, 299946, 299952, 299953, 299955, 299961, 299968.
- Paris, France. 75 Jun 12.** Colloquium on nuclear law and law of the sea. 287801, 287807, 287817, 287818, 287820, 287827, 287828.
- Paris, France. 75 Sep 30.** Autumn meeting on metallurgy. 280825, 280836, 287722.
- Paris, France. 75 Oct 3.** One-day meeting on nuclear corrosion. 280826.
- Paris, France. 75 Oct 23.** Meeting of the Societe des Ingenieurs Soudeurs. 281775.
- Paris, France. 75 Oct 24.** 2. International colloquium on radioactive Hg renal uptake. 300909, 300914, 301263, 301264, 301273, 301274, 301285, 301287, 301292, 301296, 301298, 301302, 301303, 301305, 301306, 301307, 301308, 301312, 301316, 301317, 301329, 301484, 301909, 301910, 301914, 301915, 301929, 301952, 301966, 301967.
- Paris, France. 75 Nov 20.** Information meeting on the tracer techniques in hydrology and hydraulics. 293155, 298749, 298750, 298754, 298755, 298756, 298760, 298762, 298763, 298764, 299343, 299350.
- Paris, France. 75 Dec 1.** Meeting of specialists on the antiseismic design of nuclear facilities. 299164, 299204.
- Paris, France. 76 Apr 26.** International symposium on californium-252 utilization. 286831, 306644, 312662.
- Paris, France. 76 Jun 8.** Meeting on automatic quality control. 281756, 293720.
- Paris, France. 76 Sep 30.** 2. European conference on optical fibre communication. 313421.
- Paris, France. 76 Dec 6.** National congress on plasma physics. 308220.
- Paris, France. 76 Dec 14.** 2. Colloquium on special steels and nuclear energy. 303062.
- Pensacola, Florida, USA. 76 Aug 8.** Monsanto process computer symposium. 293592.
- Petten, Netherlands. 76 May 5.** International colloquium on measurement of irradiation enhanced creep in nuclear materials. 283427, 293065, 296886, 306001.
- Philadelphia, Pennsylvania, USA. 73 Sep 21.** International conference on creep and fatigue in elevated temperature applications. 286433.
- Philadelphia, Pennsylvania, USA. 75 Apr 6.** 169. national meeting, American Chemical Society. 289392.
- Philadelphia, Pennsylvania, USA. 75 May.** Spallation nuclear reactions and their applications to astrophysics and radiotherapy. 302361, 302396, 302664, 302673, 302781, 302782, 302827, 302852, 303123.
- Philadelphia, Pennsylvania, USA. 75 Jun. 22.** annual meeting of the Society of Nuclear Medicine. 306308.
- Philadelphia, Pennsylvania, USA. 75 Dec 9.** 21. annual conference on magnetism and magnetic materials. 292747.
- Philadelphia, Pennsylvania, USA. 76 Mar 18.** Meeting of the delaware valley section of the American Vacuum Society. 287102.
- Philadelphia, Pennsylvania, USA. 76 Apr 2.** ORSA/TIMS joint national meeting. 284140.
- Philadelphia, Pennsylvania, USA. 76 Apr 23.** Symposium on chemistry of radiopharmaceuticals. 280728.
- Philadelphia, Pennsylvania, USA. 76 Jun 8.** 19. Meeting of the Committee on Space Research. 280933.
- Philadelphia, Pennsylvania, USA. 76 Oct 6.** Annual meeting of the Association of Engineering Geologists. 310533.
- Pittsburgh, Pennsylvania, USA. 76 Mar 13.** ASME-ANS joint international conference on advanced nuclear energy systems. 284215, 296882.
- Pittsburgh, Pennsylvania, USA. 76 May 24.** International topical conference on meson-nuclear physics. 282551, 284042, 285401, 285505, 288601, 288617, 288683, 291936, 292046, 292081, 294172, 294173, 294185, 294611, 294614, 294716, 294753, 294757, 294759, 294763, 294775, 294801, 294802, 294807, 294808, 294811, 294825, 294826, 294831, 294842, 294844, 294845, 294846, 294847, 294848, 294850, 294851, 294852, 294855, 294856, 294857, 294858, 294859, 294863, 294864, 294867, 294868, 294875, 294877, 294881, 294882, 294885, 294889, 294891, 294893, 294896, 294905, 294909, 294910, 294915, 294921, 294929, 294932, 294936, 294939, 294940, 294944, 294949, 294950, 294951, 294952, 294958, 294962, 294963, 294966, 294971, 294975, 294983, 294984, 294988, 294990, 294995, 295017, 295019, 295067, 295078, 295081, 295082, 295093, 297097, 297272, 297765, 297766, 297795, 297813, 297816, 297829, 297830, 297847, 297849, 297880, 297892, 297906, 297911, 297941, 297948, 297949, 297952, 297956, 297957, 297959, 297965, 297966, 297970, 297979, 297980, 297981, 297985, 297986, 297987, 297990, 297992, 297995, 297998, 297999, 297999, 298000, 298001, 298006, 298007, 298010, 298011, 298012, 298017, 298021, 298022, 298028, 298030, 298033, 298036, 298041, 298050, 298058, 298100, 298107, 298113, 299493, 299501, 299504, 299821, 300562, 300578, 300606, 300632, 300667, 300680, 300697, 304936.
- Pittsburgh, Pennsylvania, USA. 76 Jun 15.** Joint international magnetics and magnetism and magnetic materials intermag conference. 283409, 290428.
- Pittsburgh, Pennsylvania, USA. 76 Oct 26.** 37. Annual meeting: international water conference. 310988.
- Plymouth, New Hampshire, USA. 76 Aug 2.** Gordon research conference on glass. 313540.
- Plymouth, New Hampshire, USA. 76 Aug 9.** Gordon research conference on photonuclear reactions. 300656.
- Port Chester, New York, USA. 76 Nov 8.** ASM conference on manufacture of superconducting materials. 313079.
- Prague, Czechoslovakia. 74 May 7.** 8. seminar on the methodology of determination and on the significance of trace elements in biologic material. 298743, 298979.
- Prague, Czechoslovakia. 74 Nov 5.** In-service inspection and diagnostics of nuclear power installations. 303242.
- Prague, Czechoslovakia. 74 Dec 3.** Defectoscopy '74. 296625, 299345.
- Prague, Czechoslovakia. 75 Mar 25.** Seminar on measurement techniques sponsored by Special committee for fast reactors fluid dynamics and heat transfer. 287187, 287193, 287542, 287686, 287687, 287694, 287705, 287708, 287709, 287710, 287711, 287716, 287718, 287721, 287722, 287723, 287726, 287732, 287733, 287739, 287740, 287742, 287743, 287744, 287745.
- Pretoria, South Africa. 76 Jun 17.** Symposium on radiation processing. 302929, 303076, 303174, 303188, 303360.
- Pretoria, South Africa. 76 Aug 20.** Short course on uranium prospecting techniques. 312457, 312458, 312476, 312518, 312523.
- Pribram, Czechoslovakia. 76 May 17.** National radiobiological conference and scientific conference of the Institute of national health in uranium industry. 295596, 296089, 296090, 296098, 296099, 296110, 296111, 296126, 296127, 296131, 296132, 296144, 296145, 296146, 296148, 296151, 296153, 296154, 296155, 296156, 296157, 296159, 296160, 296162, 296163, 296164, 296165, 296169, 296170, 296171, 296173, 296174, 296177, 296179, 296180, 296182, 296184, 296185, 296187, 296188, 296189, 296190, 296191, 296192, 296195, 296196, 296200, 296219, 296222, 296225, 296238, 296244, 296248, 296253, 296260, 296262, 296270, 296271, 296277, 296283, 296285, 296313, 296556, 298917, 298990, 301147.
- Princeton, New Jersey, USA. 76 Jun.** Conference on partially ionized plasmas. 311738.
- Princeton, New Jersey, USA. 76 Jun 10.** Symposium on uranium plasmas. 281825, 288034, 289789.
- Quebec, Canada. 76 Aug 10.** Symposium on zirconium nuclear industry. 309685, 312427.
- Raquette Lake, New York, USA. 76 Aug 24.** 23. sagamore army materials research conference. 310898, 310899.
- Regensburg, Germany, F.R. 76 Oct 4.** Annual meeting of the Deutsche Gesellschaft fuer Biophysik e.V. 301131, 306173, 306213.
- Reims, France. 70 Mar 23.** 95. National Congress of the 'Societes Savantes'. 280554.



- Reinhardtbrunn, German Democratic Republic. 76 Apr 20. 2. advanced training course on nuclear safety and radiation protection. 311183.
- Reno, Nevada, USA. 76 Jun 14. 31. annual northwest regional American Chemical Society meeting. 289130, 305580.
- Richland, Washington, USA. 74 Sep 4. Atmosphere - surface exchange of particulate and gaseous pollutants symposium. 281148, 281149, 281160, 281166.
- Richland, Washington, USA. 76 Jun 24. National academy of sciences committee on radioactive waste management. 311244, 311264.
- Richland, Washington, USA. 76 Sep 21. 2. topical meeting on the technology of controlled nuclear fusion. 294340, 294398, 294402, 294412, 297401, 297424, 297430, 297434, 297445, 297453, 297469, 297476, 297487, 297495, 297510, 297511, 297513, 304329, 304332, 304341, 304344, 304359, 304443, 304459, 304466, 304475, 304482, 304486, 304495, 304522, 304530, 304535, 304540, 306006, 306009, 308289, 308316, 308346, 308356, 308367, 308417, 308418, 308419, 308420, 308422, 308455, 310069, 310100, 311689, 312415.
- Rijswijk, Netherlands. 76 May 19. Neutron dosimetry workshop. 282570, 283953.
- Rio de Janeiro, Brazil. 76 Sep 21. 20. IAEA general conference. 300051.
- Risley, UK. 75 Oct 1. 6. meeting on liquid metal boiling working group. 281796, 281801, 281804.
- Risley, UK. 76 Jan 27. International Atomic Energy Agency working party. 290603.
- Risoe, Denmark. 76 May 20. Meeting of the EURATOM working group on the irradiation devices. 293705, 293711.
- Risoe, Denmark. 76 Sep 15. 5. Meeting of the European working group on acoustic emission technique. 310921.
- Rochester, New York, USA. 75 Jun 2. 8. international conference on environmental toxicology. 298824, 306062, 306074, 306076, 306077, 306080, 306082, 306083, 306085, 306087, 306094, 306096, 306260, 310157, 310159.
- Rochester, New York, USA. 75 Jun 23. Seminar on Optical Methods in Energy Conversion. 294375, 294383, 294455, 296594, 297475.
- Rochester, New York, USA. 76 Apr 30. 2. Conference on superconductivity in d- and f- bands. 280893, 280938, 281000, 286510, 293011.
- Rod Saint Genese, Belgium. 74 Dec 9. Lecture series on two-phase flows with application to nuclear reactor design problems. 281520, 281521, 281522.
- Rolla, Mo., USA. 75 Oct 21. 28. Annual gaseous electronics conference. 307869.
- Rome, Italy. 74 Nov 19. The Italian-Polish meeting on the properties and the development of methods for separating lanthanide fission products and transuranian elements in post-irradiation analysis of nuclear fuels. 282963.
- Rome, Italy. 75 Sep. 2. european conference on internal friction and ultrasonic attenuation in solids. 308012, 308013, 308026, 308028, 308032, 308042, 308058, 308065, 308080, 308122, 308129, 308144, 308150, 308152, 308159, 308161, 308171, 308174, 308176, 308183, 308187, 308198, 311570, 311585, 311595.
- Rome, Italy. 75 Sep 18. Symposium on plasma chemistry. 305926.
- Rome, Italy. 76 Aug 29. 7. international congress on photobiology. 312691.
- Rome, Italy. 76 Sep 14. 6. European microwave conference. 290518.
- Rostov-na-Donu, USSR. 75 Sep 12. 11. all-union conference on X-ray spectroscopy. 284649, 284673, 284714, 284803, 284806, 284808, 284840, 284854, 284873, 284905, 284910, 284929, 284951, 286499, 287964, 287975, 288043, 288140.
- Rotterdam, Netherlands. 76 Feb 9. International TNO conference. 287775, 287784.
- Rovinj, Yugoslavia. 73 Sep 23. Adriatic Summer Meeting on particle physics. 284554, 285395, 285406, 285418, 285433, 285438, 285441, 285442, 285443, 285445, 285454, 285465, 285467, 285529, 285543, 285551.
- Saclay, France. 75 May 12. Rencontre de Saclay. Mesonic effects in nuclei. 280333.
- Saclay, France. 75 Jun 23. 18. Colloquium on metallurgy. Ni and its specific properties in certain types of alloys. 292640, 292772, 292889, 292925, 298547, 298554, 298592, 300979, 301007.
- Saclay, France. 75 Sep 8. Rencontre de Saclay. Electron scattering at intermediate energies. 280439, 280490.
- Saclay, France. 75 Dec 17. Technical meeting on uranium analysis methods. 292200.
- Saclay, France. 76 Feb 18. French-Soviet seminar on the water-cooled reactors. 281682, 281757, 293717.
- Saclay, France. 76 Mar 23. 8. International congress of the French Society for Radiation Protection: basic and applied aspects of dosimetry. 299323, 301956, 302658, 303337, 303338, 303341, 303342, 303343, 303346, 303347, 303771, 303776, 303781, 303927, 310269, 310630, 310635, 310705, 310709, 310711, 310714, 310715, 310717, 310718, 311079, 311084, 311097, 311127, 311130, 311136, 311142, 311164, 311168.
- Saclay, France. 76 Mar 30. Inter-regional training course on nuclear power project planning and implementation. 311297, 311298, 311304, 311322, 311323, 311325, 311328, 311336, 311337, 311338, 311339.
- Saclay, France. 76 Jun 22. 19. Colloquium on metallurgy. Diffusion in condensed mediums. Theory and applications. 291293, 291303, 291340, 291387, 292740, 298546, 300980, 301015, 302264, 302877, 303004, 303009, 303029, 310103.
- Saclay, France. 76 Dec 8. French-Soviet seminar on water reactors. 310876, 310944.
- Salzburg, Austria. 74 Jun 24. 23. cosmic congress of Hermann Oberth Society. 280172.
- Salzburg, Austria. 75 Oct. Joint meeting of the Oesterreichische und Bayerische Roentgensgesellschaft. 310390.
- Salzburg, Austria. 77 May 2. International conference on nuclear power and its fuel cycles. 302318, 302330, 302351, 302537, 302887, 302943, 302944, 302946, 302950, 302951, 302953, 302954, 302956, 302957, 302958, 302961, 302962, 302965, 302966, 302967, 302968, 302969, 302973, 302974, 302975, 302976, 302977, 302979, 302982, 302984, 302986, 303066, 303072, 303073, 303094, 303096, 303097, 303099, 303100, 303101, 303102, 303103, 303109, 303111, 303114, 303115, 303193, 303194, 303195, 303197, 303199, 303201, 303202, 303203, 303204, 303207, 303208, 303210, 303211, 303215, 303216, 303217, 303218, 303219, 303221, 303222, 303223, 303228, 303229, 303231, 303233, 303235, 303237, 303240, 303243, 303247, 303249, 303250, 303251, 303254, 303255, 303256, 303257, 303258, 303260, 303261, 303262, 303263, 303265, 303266, 303268, 303270, 303271, 303273, 303274, 303276, 303277, 303279, 303281, 303282, 303283, 303284, 303285, 303286, 303287, 303288, 303293, 303294, 303298, 303299, 303300, 303302, 303309, 303310, 303311, 303314, 303317, 303318, 303321, 303322, 303323, 303324, 303325, 303381, 303382, 303383, 303384, 303475, 303486, 303488, 303494, 303495, 303498, 303499, 303504, 303505, 303507, 303508, 303509, 303510, 303511, 303512, 303515, 303517, 303521, 303532, 303533, 303535, 303538, 303542, 303544, 303554, 303557, 303562, 303564, 303566, 303568, 303572, 303580, 303581, 303583, 303584, 303586, 303592, 303606, 303611, 303616, 303617, 303644, 303651, 303653, 303660, 303670, 303682, 303683, 303684, 303685, 303686, 303687, 303688, 303689, 303691, 303694, 303695, 303700, 303702, 303705, 303712, 303713, 303714, 303715, 303718, 303719, 303721, 303722, 303725, 303726, 303727, 303728, 303737, 303741, 303747, 303749, 303755, 303801, 303803, 303804, 303805, 303807, 303808, 303809, 303812, 303813, 303814, 303819, 303820, 303821, 303822, 303823, 303824, 303826, 303827, 303828, 303829, 303830, 303831, 303832, 303833, 303834, 303835, 303836, 303837, 303838, 303839, 303840, 303841, 303842, 303843, 303846, 303847, 303848, 303852, 303853, 303854, 303855, 303856, 303857, 303858, 303860, 303861, 303862, 303863, 303864, 303865, 303869, 303870, 303871, 303872, 303874, 303875, 303876, 303877, 303878, 303879, 303880, 303881, 303882, 303883, 303884, 303885, 303887, 303889, 303890, 303891, 303892, 303893, 303894, 303895, 303896, 303897, 303898, 303899, 303902, 303903, 303904, 303905, 303906, 303907, 303909, 303910, 303911, 303912, 303919, 303920, 303923, 303924, 303925, 303926, 303928, 303929, 303930, 303931, 303932, 303934, 303935, 303936, 303937, 303938, 303939, 303940, 303941, 303942, 303943, 303945, 303947, 303948, 303949, 303950, 303953, 303954, 303955, 303956, 303958, 303959, 303960, 303961, 303962, 303963, 303964, 303965, 303967, 303969, 303970, 303971, 303972, 303973, 303974, 303975, 303976, 303979, 303980, 303981, 303982, 303983, 303984, 303985, 303986, 303987.
- San Antonio, TX, USA. 73 Oct 1. 2. international conference on pressure vessel technology. 296792.
- San Diego, Calif. USA. 75 Nov 18. 6. symposium on engineering problems of fusion research. 288239, 294350, 300296, 300297.
- San Diego, California, USA. 76 May 9. Conference on mass spectrometry and allied topics. 280535.
- San Diego, California, USA. 76 May 25. 22. international instrumentation of the Instrument Society of America. 288241, 289606, 291476.
- San Diego, California, USA. 76 Jul 14. 11. thermophysics conference. 288185.
- San Diego, California, USA. 76 Jul 14. 9. AIAA fluid and dynamics conference. 310762.
- San Diego, California, USA. 76 Jul 26. IEEE annual conference on nuclear and space radiation effects. 284367, 284368, 284369, 305026.
- San Diego, California, USA. 76 Aug 23. 20. annual SPIE technical symposium. 282385, 282390, 288328, 290363, 293546, 293550, 294347, 294410, 298518, 299017, 304127, 308333.
- San Diego, California, USA. 76 Aug 24. 6. symposium on detonation. 284018.
- San Diego, California, USA. 76 Sep 13. 14. annual safe symposium. 310366.
- San Francisco, California, USA. 73 May 20. 21. annual conference on mass spectrometry and allied topics. 289108.
- San Francisco, California, USA. 74 Nov 19. 36. annual assembly of the American Academy of Physical Medicine and Rehabilitation. 298934.
- San Francisco, California, USA. 75 Aug 10. AIChE-ASME national heat transfer conference. 296542.
- San Francisco, California, USA. 75 Aug 11. 15. National heat transfer conference. 281524, 296471.
- San Francisco, California, USA. 75 Nov 16. American Nuclear Society winter meeting. 284196.
- San Francisco, California, USA. 75 Nov 16. Joint meeting of the American Nuclear Society and the Atomic Industrial Forum. 279937, 282011, 290841.
- San Francisco, California, USA. 75 Nov 17. IAEA international symposium on transuranium nuclides in the environment. 283491, 283501.
- San Francisco, California, USA. 76 Feb 16. 2. international conference on surface effects in controlled fusion devices. 282354, 289718, 294388.
- San Francisco, California, USA. 76 Jun 27. Health Physics Society meeting. 293305, 298946, 298986.
- San Francisco, California, USA. 76 Jun 27. 24. annual meeting of



- Radiation research society. 312667.
- San Francisco, California, USA. 76 Aug 29.** American Chemical Society meeting. 281349, 281352, 282692, 290973, 291049.
- San Francisco, California, USA. 76 Aug 29.** American Chemical Society national meeting. 298126.
- San Francisco, California, USA. 76 Oct 5.** Annual meeting of the American Society for Information Science. 306019.
- San Francisco, California, USA. 76 Nov 15.** Plasma physics meeting of the American Physical Society. 308242, 308248, 308257, 308275, 308282, 308283, 308293, 308334, 308345, 308353, 308385, 308393, 308398, 308414, 311094, 311732, 311736, 311786, 311787, 311791, 311802, 311803.
- San Francisco, California, USA. 77 Mar 14.** Corrosion/77 NACE meeting. 313559.
- San Juan, Puerto Rico. 75 Apr 17.** Workshop on reconstruction tomography in diagnostic radiology in nuclear medicine. 284357.
- San Juan, Puerto Rico. 75 May.** Annual meeting of the American Radium Society. 289913, 290023, 293296.
- San Juan, Puerto Rico. 76 Jun 21.** International conference on colloids and surfaces. 286244.
- Sanibel Island, Florida, USA. 76 Jan 12.** Proceedings of the international symposium on quantum biology and quantum pharmacology. 310244.
- Santa Barbara, California, USA. 76 Jul 9.** Conference on the study of Democratic Institutions. 281350.
- Sao Paulo, Brazil. 77 Feb 14.** 5. international conference on luminescence dosimetry. 313432.
- Savannah, Georgia, USA. 76 Jun 21.** American Society of Limnology and Oceanography meeting. 283497, 286645.
- Schenectady, New York, USA. 76 May 10.** International conference on superionic conductors. 283411.
- Schladming, Austria. 76 Feb 16.** 15. international university week for nuclear physics. 300078, 300086, 300089, 300098, 300104, 300109, 300114, 300117, 300120, 300493, 300500, 300503, 300507, 300532, 307770.
- Schliersee, Germany, F.R. 73 Apr 2.** NATO Advanced Study Institute on the interstellar medium. 285061, 285090, 285110, 285150, 285152, 285164, 285168, 285191, 285209, 285230, 285238, 285243, 285261.
- Seattle, Washington, USA. 74 Jul 14.** 5. international radiation research congress meeting. 287968, 287994, 288014, 288017, 288031, 288038, 288245, 288355, 288851, 288852, 288855, 288856, 288858, 289195, 289237, 289428, 289429, 289431, 289434, 289437, 289439, 289441, 289442, 289450, 289451, 289455, 289457, 289461, 289465, 289905, 289906, 289914, 289915, 289916, 289917, 289920, 289921, 289923, 289925, 289927, 289933, 289939, 289955, 289960, 289969, 289971, 289989, 289991, 289994, 290008, 290044, 290101, 290115, 290328, 290371, 290373, 290889, 292599, 293190, 293193, 293194, 293215, 293216, 293219, 293237, 293239, 293240, 293244, 293250, 293256, 293260, 293263, 293270, 293278, 293279, 293282, 293284, 293285, 293288, 293289, 293292, 293294, 293295, 293297, 293300, 293303, 293304, 293324, 293326, 293331, 293334, 293337, 293342, 293345, 293478, 293483, 296547, 298931.
- Seattle, Washington, USA. 75 Jul 24.** 9. international conference on physics of electronic and atomic collisions. 294167, 297230.
- Seattle, Washington, USA. 75 Nov 12.** Workshop on environmental research for transuranic elements. 310124.
- Seattle, Washington, USA. 76 Jun 8.** Nuclear Regulatory Commission partitioning workshop. 297032, 297035, 299915, 307523.
- Seattle, Washington, USA. 76 Jun 23.** 17. annual meeting of the Institute of Nuclear Materials Management, Inc. 284452, 284470, 289133, 294029, 297107, 298512, 299294, 299974, 300004, 300006, 300007, 300008, 300009, 300010, 300012, 300013, 300014, 300015, 300016, 300017, 300018, 300019, 300021, 300022, 300023, 300026, 307611, 307614, 307616, 307617, 307618, 307619, 307620, 307621, 307622, 307624, 307625, 307626, 307628, 307629, 307631, 307632, 307634, 307636, 307637, 307638, 307641, 307642, 307644, 307645, 307647, 307648, 307649, 307650, 307651, 307652, 309704, 311350, 311351.
- Seattle, Washington, USA. 76 Jun 24.** Pacific regional symposium. 286852, 290049.
- Seattle, Washington, USA. 76 Jul 25.** 9. Annual International Metallographic Society meeting. 283213, 286460, 289550, 296621.
- Severodonetsk, Ukrainian SSR. 76 Mar.** Scientific seminar on corrosion resistance of new steels and alloys and accelerated methods of their control on intercrystalline corrosion. 305714, 305715, 305716, 305717, 305718, 305719, 305720, 305721, 305722, 305723, 305725, 305727, 305729, 305732, 305733, 305734, 305735, 305736, 305737, 305738, 305740, 305741, 305742, 305743, 305745, 305746, 305747, 305748, 305749, 305750, 305752, 305753, 305754, 305755, 305756, 305757, 305758, 305759, 305761, 305763, 305764, 305765, 305768, 305769, 305770, 305771, 306920, 306924, 306925, 306928, 306930, 306931.
- Siofok, Hungary. 73 Jun 5.** Symposium on the mechanisms of hydrocarbon reactions. 280767.
- Siofok, Hungary. 76 Aug 30.** Conference on organic conductors and semiconductors. 312149.
- Slapy - Nova Rabyne, Czechoslovakia. 75 Sep 9.** Seminar on nuclear methods in mining, geology, geophysics and geochemistry. 287131, 298706, 298739, 299346, 300806, 301111, 312095, 312096, 312113, 312116, 312477, 312478, 312481, 312488, 312494, 312508, 312530, 312550, 312551, 312992, 312995, 313428, 313473, 313474.
- Smolenice, Czechoslovakia. 74 Sep 2.** International symposium on neutron induced reactions. 285592, 285654, 285667, 285685, 285686, 285730, 285766, 285799, 285803, 285823, 285824, 285887.
- Sofia, Bulgaria. 73 Oct 15.** Symposium on radiation processing of food and agricultural products. 296354, 296355, 296356, 296358, 296359, 296360, 296362, 296363, 296364, 296365, 296366, 296367, 296369, 296370, 296371, 296372, 296373, 296375, 296376, 296377, 296378, 296379, 296380, 296381, 296382, 296384, 296385, 296386, 296387, 296388, 296389, 296390, 296392, 296393, 296394, 296395, 296396, 296397, 296399.
- Sofia, Bulgaria. 76 Nov 10.** 2. national conference on biomedical physics and engineering with international participation. 312100, 312555, 312687, 312856, 312874, 312875, 312900, 312904, 312908, 312910, 312912, 312930, 312962, 312967, 313002, 313447, 313457, 313478, 313555.
- Southampton, UK. 76 Apr 7.** On the interaction of electrons with solids. 300134, 300141, 300819.
- Spaandind, Norway. 76 Sep 13.** CSNI specialist meeting on the behaviour of water reactor fuel elements under accident conditions. 282885, 287541, 301757.
- Springfields, UK. 75 Oct 14.** UKAEA diffraction analysis conference. 280534.
- St. Louis, Missouri, USA. 76 May 4.** 8. symposium of the American Society for Testing and Materials on the effect of radiation on structural materials. 284213, 289797, 310066, 310070, 310107.
- St. Louis, Missouri, USA. 76 Aug 8.** National heat transfer conference. 279881, 279883, 279884, 281394, 284216, 304440.
- St. Petersburg, Florida, USA. 75 Nov 10.** APS meeting. 288274, 288295, 291477, 294409, 294442, 294456, 297527, 297533, 308375.
- St. Petersburg, Florida, USA. 75 Nov 10.** Division of Plasma Physics meeting of the American Physical Society. 291503.
- Stanford, California, USA. 74 Sep 17.** Solar physics-plasma physics workshop. 285273.
- Stanford, California, USA. 76 Aug 2.** Conference on particle physics. 309036, 311979.
- Stanford, California, USA. 76 Aug 17.** Applied superconductivity conference. 282350, 288209, 288212, 288221, 288272, 288282, 288313, 289702, 291482, 291498, 291523, 292755, 293639, 293643, 293665, 293675, 293678, 293692, 293698, 294352, 294379, 294426, 294453, 295615, 295701, 295855, 295943, 296674, 298614, 299453, 305851, 305860, 305871, 306820, 306821, 306822, 306823, 306899, 309980.
- State Line, Nevada, USA. 76 Sep 12.** 11. intersociety energy conversion engineering conference. 287532, 293788, 293868, 304418, 304444, 304455, 304497, 304539, 304870, 306445, 306666, 306669, 306670, 306671, 306674, 306675, 306676, 306677, 306681, 306682, 306683, 306687, 306689, 307071, 307073, 307078, 307087, 307088, 307195, 307336, 307343, 307346, 307347, 307597, 310732.
- Stavropol', USSR. 73 Oct 9.** 21. conference on luminescence (crystallophosphors). 279727, 279784, 279805, 284293, 284888, 291362, 293917.
- Stellenbosch, South Africa. 74 Feb 4.** 5. congress of the South African Genetics Society. 303167.
- Stillwater, Oklahoma, USA. 75 Oct 1.** Conference on frontiers of power technology. 295579.
- Stockholm, Sweden. 76 Jul 9.** European symposium on antineutrino-nucleon reactions. 288779, 297875, 300559, 302639.
- Strasbourg, France. 75 Jun 11.** Workshop on Hgl2 detectors. 284303.
- Strasbourg, France. 76 Jun 29.** 2. International symposium on cadmium telluride: physical properties and applications. 293907, 308121, 308127, 308145, 309966, 309971, 309986, 309995, 310000, 310008, 310009, 310012, 310015, 310019, 310023, 310027, 310036, 310050, 310051, 310053, 310054, 310056, 310062, 310063, 310172, 311085, 311089, 311093, 311102, 311123, 311126, 311129, 311131, 311148, 311149, 311166, 311177, 311189, 311198.
- Stuttgart, Germany, F.R. 76 Sep 7.** VGB congress on power plants and general meeting. 303530.
- Stuttgart, Germany, F.R. 76 Sep 23.** Technical meeting on radiation exposure and damage of reactor components outside the reactor core. 305989, 306014, 306026, 306918, 306995, 307045, 307158, 307193, 307477, 310078, 310948, 311151, 312455, 313292.
- Stuttgart, Germany, F.R. 76 Oct 5.** Technical meeting on industrial metrology. 291107, 297100.
- Sun Valley, Idaho, USA. 76 Aug 2.** 14. US ERDA air cleaning conference. 280588, 280849, 281412, 281958, 281962, 283868, 284095, 284377, 286664, 290257, 290331, 290332, 290994, 291002, 296536, 307063, 305678, 305779, 307152, 307518, 310229, 310582.
- Sun Valley, Idaho, USA. 76 Aug 5.** Meeting on controlling airborne effluents from fuel cycle plants. 281141, 281174, 281379, 281965, 281972, 283525, 295595, 295599, 298499, 298506, 298507, 298511, 299231, 299237, 299928, 303292.
- Sverdlovsk, USSR. 75 Jun 3.** All-Union conference on chemistry of solids. 283047, 285960, 285967, 285974, 286009, 286016, 286017, 286047, 286052, 286081, 286085, 286094, 286095, 286096, 286102, 286106, 286112, 286118, 286141, 286144, 286149, 286152, 286153, 286159, 286162, 286163, 286167, 286171, 286172, 286173, 286180, 286189, 286223, 286522, 286528, 287979, 288003, 288121, 289172, 289173, 289175, 289177, 289180, 289182, 289183, 289187, 289189, 289190, 289192, 289196, 289199, 289206, 289218, 289219, 289224, 289226, 289234, 289235, 289239, 289246, 289250, 289252, 289260, 289262, 289263, 289269, 289271, 289272, 289274, 289279, 289284, 289285, 289286, 289290, 289291, 289292, 289303, 289305, 289307, 289309, 289311, 289312, 289316,



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**Swansea, UK.** 76. 4. international conference on gas discharges 306437
- Sydney, Australia.** 75 Jul 1. Environment 75. 283842
- Sydney, Australia.** 76 Sep 5. 1. Asia and Oceania congress of nuclear medicine 310468
- Syracuse, New York, USA.** 75 Apr 16. 7. National agricultural waste management conference 299193
- Syracuse, New York, USA.** 75 May 19. 8. cellulose conference 295576
- Syracuse, New York, USA.** 76 Oct 29. 5. Geochautauqua meeting on computer software for the geosciences 312485
- Taipei, Taiwan.** 76 Jul 5. Modern engineering technology seminar. 284146
- Tallahassee, Florida, USA.** 76 Jan 8. Michael Kasha symposium on electronic processes and energy transfer in organic, inorganic, and biological systems. 298239
- Tallinn, USSR.** 73 May 28. 11. European congress on molecular spectroscopy 280591, 280671, 280688, 280723
- Tallinn, USSR.** 75 May 20. 1. republican conference of young scientists chemists 282883, 302898, 302903, 302904, 302907, 302908, 302909, 302910, 302912, 302917, 302918, 302930, 302931, 302932, 302933, 302934, 302935, 302936, 303304, 303358, 303695
- Tatranska Lomnica, Czechoslovakia.** 75. International summer school of welding 296838
- Tbilisi, USSR.** 76 Jul 15. 18. international conference on high energy physics 285503, 285511, 285519, 288585, 288799, 291228, 291246, 291331, 291832, 294751, 294754, 294770, 297167, 297397, 297900, 300537, 302654, 311938, 311939
- Tbilisi, USSR.** 76 Sep 29. School on plasma physics and CTF 311780
- Teheran, Iran.** 75 May 5. International congress on energy and electrochemistry 293998
- Teheran, Iran.** 76 Aug 22. The 14. Congress on Dentistry. 306611
- Tel Aviv, Israel.** 75 Feb 12. 1975 Annual Meeting of the Israel Physical Society 280011, 280140, 280178, 282171, 282305
- The Hague, Netherlands.** 73 May. 1. International congress on technology assessment 299219
- Tilton, New Hampshire, USA.** 75 Aug 18. Gordon research conference on laser interaction with matter 291505
- Tilton, New Hampshire, USA.** 76 Jul 4. Gordon research conference on high temperature chemistry. 301227
- Tokai, Japan.** 75 Mar 13. Symposium on intense pulsed neutron sources in Japan 286019, 288081, 288289, 289417, 290489, 290495, 290501, 290506, 290507, 290510, 290559, 290592, 290680, 290697, 290698, 290954
- Tokyo, Japan.** 75 Mar 11. 1975 annual conference of the Japan Atomic Industrial Forum 295590, 296602, 301192, 301835, 301840, 301870, 302020, 307138
- Tokyo, Japan.** 75 Sep 1. 7. conference on solid state devices. 307469, 311463, 311580
- Tokyo, Japan.** 75 Nov 20. Conference of Japan section of American Nuclear Society. 291043
- Tokyo, Japan.** 75 Nov 26. 12. Japan conference on radioisotopes 287355
- Tomakomai, Japan.** 76 Sep 9. Opi seminar of the Japan Society for the Promotion of Science 304309
- Toronto, Ontario, Canada.** 74 May 28. Centennial conference on laryngeal cancer 306236
- Toronto, Ontario, Canada.** 76 Jun. American Nuclear Society conference 299540
- Toronto, Ontario, Canada.** 76 Jun 13. American Nuclear Society 1976 annual meeting 279847, 281644, 282627, 283690, 284167, 284229, 284491, 288880, 288152, 288168, 288170, 288171, 288181, 288194, 288195, 288199, 288201, 288203, 288208, 288210, 288211, 288213, 288215, 288217, 288219, 288222, 288223, 288233, 288236, 288238, 288240, 288249, 288254, 288255, 288256, 288265, 288268, 288270, 288271, 288273, 288275, 288279, 288284, 288286, 288290, 288291, 288299, 288301, 288303, 288309, 288310, 288320, 288324, 288331, 288332, 288334, 288335, 288336, 288340, 288349, 288370, 288372, 288378, 288382, 288384, 288386, 288387, 288389, 288391, 288394, 288396, 288397, 288400, 288402, 288403, 288406, 288407, 288411, 288415, 288416, 288417, 288418, 288419, 288420, 288421, 288422, 288423, 288424, 288425, 288426, 288427, 288428, 288429, 288430, 288431, 288432, 288433, 288434, 288435, 288436, 288437, 288438, 288439, 288440, 288441, 288442, 288443, 288444, 288445, 288446, 288447, 288448, 288449, 288450, 288451, 288452, 288453, 288454, 288455, 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- Tutzing, Germany, F.R. 76 Jun 21.** 7. international colloquium on multiparticle reactions. 297878.
- Upton, New York, USA. 75 Jul 14.** ISABELLE summer study. 296716.
- Upton, New York, USA. 76 Mar 29.** Blanket/power systems for fusion reactors: technology workshop. 279888, 311638, 311658, 311669, 311670, 311672, 311673, 311714, 311722, 311724, 311730, 311755, 311767, 311798, 311801, 311804.
- Upton, New York, USA. 76 Jun 1.** Summer study on kaon physics and facilities. 290478, 290497.
- Upton, New York, USA. 76 Sep 8.** Conference on structural analysis needs for magnetic fusion energy super conducting magnets. 311642.
- Upton, New York, USA. 76 Sep 21.** 1. international symposium on radiopharmaceutical chemistry. 309646, 310866.
- Upton, New York, USA. 76 Oct 6.** Division of particles and fields conference. 308855.
- Utrecht, Netherlands. 75 Apr 2.** 16. Federatieve vergadering. 292554, 292559, 292565, 292572, 292575, 292578, 292579, 293183, 293200, 293209, 293249, 293311, 293320, 293323, 293339, 293399, 293414, 293418, 293419, 293422, 293881.
- Utrecht, Netherlands. 76 Apr 3.** Conference of the Dutch Society of Nuclear Medicine. 310508, 312818.
- Utrecht, Netherlands. 76 May 21.** Conference of the Dutch Society of Nuclear Medicine. 309531, 310402, 310528, 311249.
- Vail, Colorado, USA. 76 Jul 12.** 5. international pyrotechnics seminar. 284019.
- Vail, Colorado, USA. 76 Jul 18.** 12. rare earth research conference. 312359.
- Valladolid, Spain. 73 Sep 16.** Franco-Spanish summer school on metallurgical and crystallochemical applications of fast electron diffraction. 284880.
- Varenna, Italy. 73 Jul 9.** Course on local properties at phase transitions. 279717, 279718, 279722, 279725, 279755, 279777, 279783, 279803.
- Varenna, Italy. 73 Jul 23.** Course on C\*-algebras and their applications to statistical mechanics and quantum field theory. 279560, 279614.
- Varenna, Italy. 74 Jul 22.** Course on nuclear spectroscopy and nuclear reactions with heavy ions. 279620, 280332, 280335, 280339, 280349, 280350, 280351, 280353, 280358, 280374, 280375, 280376, 280379, 280384, 280395, 280424, 280430, 280455, 280469, 280472, 280476, 280486, 280499.
- Varenna, Italy. 76 Sep 6.** 3. Symposium on plasma heating in toroidal devices. 308241, 308246, 311648, 311659, 311664, 311694, 311695, 311699, 311785.
- Varna, Bulgaria. 75 Oct 27.** 4. national congress of radiology and nuclear medicine. 281222, 298842.
- Varna, Bulgaria. 76 Sep 20.** 2. national conference on analytical chemistry with international participation. 294439, 295098, 295102, 295103, 295107, 295108, 295109, 295114, 295116, 295123, 295127, 295134, 295136, 295139, 295141, 295142, 295145, 295146, 295150, 295152, 295153, 295154, 295155, 295156, 295162, 295171, 295174, 295183, 295195, 295196, 295201, 295204, 295208, 295209, 295211, 295213, 295215, 295219, 295220, 295222, 295223, 295231, 295233, 295235, 295239, 295241, 295242, 295245, 295251, 295252, 295258, 295276, 300740, 300749, 300750, 300753, 300765, 300766, 300775, 300781, 300787, 300790, 300792, 302869.
- Vatican. 75 Apr 14.** Study week at the Pontifical Academy of Sciences. 313590.
- Vemdalskalet, Sweden. 76 Feb 9.** 5. meeting on radiation research and radiation technology. 283150, 283153, 283157, 283158, 283159, 283160, 283170, 283173, 283180, 283189, 283195, 283196, 283198, 283201, 283203, 283531, 283532, 283541, 283555, 283564, 283693, 284268, 284388, 284394.
- Venice, Italy. 74 Oct 15.** 9. Congress of latin country radiologists and 26. National congress of the Italian Society of Radiology and Nuclear Medicine. 286977, 286979, 286986, 286989, 286990, 286992, 286994, 286995, 293385, 293386, 293387, 293388, 293389, 293390, 293391, 293392, 293393, 293394, 293395, 293396, 293397, 293398, 293400, 293404, 293405, 293406, 293407, 293408, 293409, 293411, 293412, 293415, 293416, 293417, 293421, 293423, 293424, 293425, 293426, 293427, 293428, 293429, 293430, 293432, 293433, 293434, 293435, 293436, 293437, 293438, 293440, 293441, 293442, 293443, 301300.
- Venice, Italy. 75 Oct 16.** Meeting of the Committee for the conservation of the International Council Museum. 293621.
- Verbania Pallanza, Italy. 75 Sep 22.** 5. Symposium on microdosimetry. 280759, 281193, 281207.
- Vidin, Bulgaria. 76 Jan 26.** 3. national conference of young physicists. 287951, 288718, 288923.
- Vidin, Bulgaria. 76 Jan 26.** 7. national conference on physics. 281456, 287906, 288878, 288890, 288900, 291175, 291186, 291187, 291197, 291337, 291868, 291912, 291978, 293137, 293164, 293168, 293730, 293950, 294048, 294073, 294104, 294110, 294131, 294649, 297129.
- Vienna, Austria. 70 Nov 23.** Advances in physical and biological radiation detectors. 301928.
- Vienna, Austria. 73 Jul 16.** Panel on radioactive tracer techniques for the study of gastrointestinal absorption. 298938, 298939, 298940, 298942, 298945, 298950, 298951, 298960, 298962, 298976, 298981, 298984, 299245, 301201.
- Vienna, Austria. 73 Nov 5.** Study group meeting on reactor strategy calculations. 311267, 311268, 311272, 311277, 311281, 311284, 311285, 311286, 311287, 311288, 311289, 311290, 311294, 311295, 311296, 313583.
- Vienna, Austria. 75 Oct 20.** Symposium on the safeguarding of nuclear materials. 282671, 282678, 282690, 282696, 282697, 282714, 282758, 282774, 282782, 282787, 283242, 284079, 284080, 284090, 284173, 284242, 284441, 284442, 284443, 284444, 284445, 284446, 284447, 284448, 284449, 284450, 284453, 284456, 284457, 284458, 284459, 284460, 284461, 284462, 284465, 284466, 284467, 284468, 284469, 285903, 285914, 285925, 285942, 285946, 286365, 287457, 287581, 287582, 287759, 287836, 296786, 300005.
- Vienna, Austria. 75 Dec 1.** 3. Conference of the International Society for Research in Frontiers of Medicine. 300939.
- Vienna, Austria. 76 Feb 2.** International symposium on nuclear techniques in animal production and health as related to the soil-plant system. 293307, 293313, 293315, 293317, 293318, 293319, 293321, 293322, 293325, 293328, 293332, 293333, 293335, 293338, 293344, 293376, 293377, 293378, 293379, 293380, 293381, 293382, 293383, 293384, 296233, 296237, 296245, 296263, 296268, 296269, 296273, 296343, 296344, 296345, 296347, 296348, 296350, 296351, 296400, 296403, 296404, 296406, 296412, 296420, 296422, 296423, 296454, 299113, 299122, 303153, 310407.
- Vienna, Austria. 76 Mar 15.** International symposium on the development of nuclear-based techniques for the measurement, detection and control of environmental pollutants. 298130, 298144, 298149, 298150, 298157, 298161, 298164, 298168, 298171, 298174, 298183, 298186, 298188, 298189, 298193, 298195, 298198, 298210, 298470, 298751, 298753, 298761, 298765, 298773, 298784, 298794, 299014, 299807, 300747, 300751, 300758, 300767, 300782, 300783, 300802, 300807, 300810, 300814, 301116, 301124, 301172.
- Vienna, Austria. 76 Mar 22.** IAEA symposium on the management of radioactive waste. 290969.
- Vienna, Austria. 76 Mar 29.** Symposium on exploration of uranium ore deposits. 312076, 312461, 312462, 312463, 312464, 312465, 312468, 312470, 312471, 312473, 312474, 312475, 312480, 312487, 312491, 312493, 312495, 312505, 312510, 312511, 312513, 312514, 312521, 312524, 312525, 312526, 312528, 312531, 312532, 312533, 312534, 312535, 312539, 312541, 312543, 313418, 313420, 313451.
- Vienna, Austria. 76 Apr 1.** Technical committee on the treatment of nuclear data sources in INIS. 282006, 291103.
- Vienna, Austria. 76 May 10.** Technical committee meeting on high level and alpha bearing wastes. 287757.
- Vienna, Austria. 76 Aug 23.** Symposium on the design, construction and testing of packaging for the safe transport of radioactive materials. 281560, 281561, 281571, 287077, 287231, 287237, 287238, 290453, 290457, 293657, 296693, 296700, 301369, 306756, 313040.
- Vienna, Austria. 76 Nov 5.** IAEA PNE technical meeting. 310780, 310786, 312347.
- Villars-sur-Ollon, Switzerland. 75 Sep 8.** Summer school on metals and alloys working. 309789, 309792, 309822, 309841, 309880, 309903, 309908.
- Visegrad, Hungary. 75 May 5.** 8. symposium on autoradiography. 300773, 300788.
- Warsaw, Poland. 74 Mar 25.** International symposium on mathematical physics and physical mathematics. 302072, 302076, 302078, 302079, 302095, 302099, 302107, 302108, 302110, 302112, 302113, 302117, 302118, 302123, 302125, 302127, 302134, 302141, 302142, 302148, 302151, 302160, 302162, 302169, 302172, 302174, 302180, 302560, 302564.
- Warsaw, Poland. 76 Sep 14.** 2. Symposium on the theory and practice of robots and manipulators (RO.MAN.SY.76). 310805, 310806.
- Washington, District of Columbia, USA. 73 Aug 21.** Symposium on activities and needs related to radioactivity standards for environmental measurements. 289844.
- Washington, District of Columbia, USA. 74 Oct 27.** Meeting of the American Nuclear Society. 283490.
- Washington, District of Columbia, USA. 75 Jun 9.** 6. international conference on magnetohydrodynamic electrical power generation. 280179.
- Washington, District of Columbia, USA. 76 Mar 29.** 3. energy technology conference/exposition. 279901, 304414, 307572.
- Washington, District of Columbia, USA. 76 Apr 26.** Spring meeting of the American Physical Society. 282429, 289012.
- Washington, District of Columbia, USA. 76 May 12.** 23. international communication conference. 290440.
- Washington, District of Columbia, USA. 76 Jun 12.** Summer computer conference. 282009, 282010, 284471.
- Washington, District of Columbia, USA. 76 Sep 21.** NRC safety technology meeting on inherent retention. 312852.
- Washington, District of Columbia, USA. 76 Sep 27.** 4. water reactor safety research information meeting. 310581, 312887.
- Washington, District of Columbia, USA. 76 Nov 14.** American Nuclear Society 1976 international meeting. 304318, 304323, 304334, 304335, 304340, 304342, 304347, 304361, 304364, 304379, 304383, 304387, 304389, 304391, 304392, 304415, 304416, 304427, 304430, 304437, 304442, 304453, 304457, 304458, 304462, 304480, 304483, 304484, 304491, 304492, 304493, 304512, 304515, 304521, 304526, 304531, 304532, 304534, 304538, 304543, 304547, 305013, 305015, 305016, 305017, 305018, 305040, 305190, 305206, 305233, 305258, 305341, 305342, 305351, 305352, 305386, 305433, 305437, 305538, 305570, 305661, 305744, 305772, 305773, 305776, 305778, 305787, 305788, 305790, 305791, 305830, 305995, 306015, 306048, 306052, 306057, 306061, 306067, 306068, 306069, 306139, 306146, 306364, 306388, 306372, 306375, 306377, 306378, 306382, 306383, 306386, 306387, 306388, 306390,



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- CONF-760352**  
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     *See* UCRL - 78344  
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**CONF-760658**

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**CONF-760666**

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**CONF-760668**

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**CONF-760672**

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**CONF-760673**

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     *See* BNWL-SA - 5954  
 CONF-760673 - 2  
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**CONF-760683**

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**CONF-760684**

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     *See* BNL - 21786

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- CONF-760728**  
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- CONF-760733**  
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- CONF-760819**  
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**CONF 760879**

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 COO - 3221 42 283154  
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 COO - 3246 16 312042  
 COO - 3247 34 288004  
 COO - 3247 35 291244  
 COO - 3253 5 290066  
 COO - 3267 11 296175  
 COO - 3283 17 309665  
 COO - 3283 20 294184  
 COO - 3283 21 304182  
 COO - 3285 30 285419  
 COO - 3313 1 292494  
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 COO - 3333 29 283726  
 COO - 3335 24 286707  
 COO - 3380 23 281218  
 COO - 3380 25 286750  
 COO - 3380 26 283602  
 COO - 3380 27 289952  
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 COO - 3409 6 290848  
 COO - 3416 29 292608  
 COO - 3420 5 295887  
 COO - 3425 13 283522  
 COO - 3426 13 306206  
 COO - 3427 14 282662  
 COO - 3429 27 289641  
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 COO - 3462 13 298726  
 COO - 3463 31 291987  
 COO - 3476 12 289556  
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 COO - 3476 14 312320  
 COO - 3494 31 305070, 305083, 305219,  
   305279, 305328, 305464  
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 COO - 3497 16 311780  
 COO - 3497 21 304509  
 COO - 3498 26 289184  
 COO - 3521 6 312722, 312723, 312724,  
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 COO - 3539 7 297859  
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 COO - 3563 26 284289  
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 COO - 3563 33 283699  
 COO - 3563 34 283491  
 COO - 3563 36 289824  
 COO - 3563 37 283501  
 COO - 3563 40 312545  
 COO - 3566 14 293150  
 COO - 3566 17 296058  
 COO - 3568 13 312546  
 COO - 3571 16 283543  
 COO - 3573 14 289820  
 COO - 3573 15 290242

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CREATE TN - 233 312844

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 CRN-CNPA - 76-7 293922  
 CRN-CNPA - 76-10 287596  
 CRN-CNPA - 76-11 287714  
 CRN-CNPA - 76-13 300879  
 CRN-CNPA - 76-14 302241  
 CRN-CNPA - 76-15 284816  
 CRN-CNPA - 76-16 302185  
 CRN-CNPA - 76-17 297349  
 CRN-CNPA - 76-18 297327  
 CRN-CNPA - 76-19 297326  
 CRN-CNPA - 76-20 297358  
 CRN-CNPA - 76-21 301981  
 CRN-CNPA - 76-22 300194  
 CRN-CNPA - 76-23 298230

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CRN HE - 76-8 297865  
 CRN HE - 76-10 297817  
 CRN HE - 76-11 297875  
 CRN HE - 76-12 300087  
 CRN HE - 76-14 302639  
 CRN HE - 76-15 303780  
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CRN-PN - 75-12 302818  
 CRN PN - 76-4 300653  
 CRN-PN - 76-5 302029  
 CRN-PN - 76-14 300628  
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 CRN PN - 76-35 298064  
 CRN PN - 76-37 298109  
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   See N - 76-15967  
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   See N - 76-19015  
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\*CS INIS - 1 301999  
 \*CS-INIS - 2 301529  
 \*CS-INIS - 3 300968  
 \*CS-INIS - 4 301199  
 \*CS-INIS - 5 301208  
 \*CS-INIS - 6 301867  
 \*CS-INIS - 7 301332  
 \*CS-INIS - 8 301050, 301055, 301065,  
   301988



\*CS INIS - 9 301333  
 \*CS INIS - 10 301971  
 \*CS INIS - 11 301925  
 \*CS INIS - 12 301482  
 \*CS INIS - 13 301202  
 \*CS INIS - 14 313346  
 \*CS INIS - 15 313345  
 \*CS INIS - 16 313103  
 \*CS INIS - 17 301235  
 \*CS INIS - 18 301438  
 \*CS INIS - 20 312740  
 \*CS INIS - 21 313648  
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 \*CS INIS - 23 302897  
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 \*CS INIS - 26 303579  
 \*CS INIS - 27 303553  
 \*CS INIS - 28 303596  
 \*CS INIS - 29 303692  
 \*CS INIS - 30 303366  
 \*CS INIS - 54 313218  
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 \*CS INIS - 57 313643  
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 CTOM - 19525 285776  
 CTOM - 19622 284752  
 CTOM - 19623 287262  
 CTOM - 20119 286957  
 CTOM - 20568 285577  
 CTOM - 20580 285426  
 CTOM - 21113 284611  
 CTOM - 21127 286620  
 CTOM - 21484 286029  
 CTOM - 21551 284715  
 CTOM - 21565 285703  
 CTOM - 21653 284883  
 CTOM - 21671 285674  
 CTOM - 21845 286046  
 CTOM - 22004 285897  
 CTOM - 22366 285569  
 CTOM - 22787 285886

## CVTS-NN

\*CVTS nn - 1 296625, 299345

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 DESY - 76/43 294735  
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 DESY - 76/46 285327  
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 DESY - 76/48 285347  
 DESY - 76/49 311548  
 DESY - 76/50 287547  
 DESY - 76/51 285747  
 DESY - 76/52 302654  
 DESY - 76/53 302629  
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 DESY - 76/55 302571  
 DESY - 76/56 311928  
 DESY - 76/58 313077  
 DESY - 76/59 311389  
 DESY - 76/60 311395  
 DESY - 76/61 308822  
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 DESY - 77/04 311931  
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 \*DESY-L-UEb - 212 297112

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 \*DESY-SR - 76/07 288075  
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 DESY-SR - 76/15 302251  
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\*DEU - 73 3(ed 1975) 291154  
 \*DEU - 73 28(ed 1975) 282023  
 DEU - 75 9(ed 1975) 300545  
 \*DEU - 75 13(ed 1974) 284487  
 DEU - 75 19(ed 1976) 307558  
 \*DEU - 75 23(ed 1975) 284503  
 DEU - 76 34 284392  
 DEU - 76 36 301683  
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## DIN

\*DIN - 6802(pl 2) 283878  
 \*DIN - 6809(pl 1) 306651  
 \*DIN - 6815(pl 2) 299117  
 \*DIN - 6818(1's) 313423  
 \*DIN - 6860(pl 1) 281337  
 \*DIN - 25408 281652  
 \*DIN - 25409(pl 6) 306752  
 \*DIN - 25415(pl 2) 306590  
 \*DIN - 25423(Revised) 290430  
 \*DIN - 25423(pl 1) 296677  
 \*DIN - 25423(pl 2) 296678  
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 \*DIN - 25425(pl 1) 284007  
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 \*DIN - 54115(pl 4) 301544

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 DP - 1366 284385  
 DP - 1394 288995  
 DP - 1399 297042  
 DP - 1401 283859  
 DP - 1404 307538  
 DP - 1405 284380  
 DP - 1407 283481  
 DP - 1408 284381

DP - 1417 290992  
 DP - 1418 289496  
 DP - 1419 297033  
 DP - 1422 299003  
 DP - 1424 305780  
 DP - 1427 307552  
 DP - 1428 306369  
 DP - 1430 293470  
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 DP-MS - 76 2 307071  
 DP-MS - 76 13 282627  
 DP-MS - 76 19 305678  
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 DP-MS - 76 34 312378  
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 DP-MS - 76 38X 301129  
 DP-MS - 76 39 284386  
 DP-MS - 76 48 306762  
 DP-MS - 76 49 306019  
 DP-MS - 76 51 297046  
 DP-MS - 76 58 295458  
 DP-MS - 76 60 309474  
 DP-MS - 76 61 311260  
 DP-MS - 76 66 313559  
 DP-MS - 76 75 312485

## DP-TR

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DPSPU - 73 124 (Suppl 1) 290456  
 DPSPU - 75 25 1 310181  
 DPSPU - 76 11 1 298509  
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 DPSPU - 76 30 9 280849  
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## DPST

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 DPST - 76 125 1 290979  
 DPST - 76 128 5 281468  
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 \*FRO-P - 781 301928  
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## FCA

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## FCN

FCN - 2 289104  
 FCN - 3 301720  
 FCN - 4 306024  
 FCN - 6 301845

FCN-7 301852  
FCN-8 307322  
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FFI-99(74) 287239  
FFI-100(74) 287589  
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    See PB-250764

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FRDA IR-202 295584  
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**FRGPRO NN**

\*FRGPRO nn-1 287064  
\*FRGPRO nn-2 296811

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\*FRGPRO P-89 1974 296519  
\*FRGPRO P-1341 296852, 301779  
\*FRGPRO P-2082 287770

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FURCA FC-8106(pt.2) 284961  
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 \*IAEA-SR - 3/13 303336  
 \*IAEA-SR - 3/14 303968  
 \*IAEA-SR - 3/15 303978  
 \*IAEA-SR - 3/16 303146  
 \*IAEA-SR - 3/17 302657  
 \*IAEA-SR - 3/18 310692  
 \*IAEA-SR - 3/19 303331  
 \*IAEA-SR - 3/20 303332  
 \*IAEA-SR - 3/21 300690  
 \*IAEA-SR - 3/22 301584  
 \*IAEA-SR - 3/23 300669  
 \*IAEA-SR - 6/4 301203  
 \*IAEA-SR - 6/5 301211  
 \*IAEA-SR - 10/10(Draft) 287237  
 \*IAEA-SR - 10/12  
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 \*IAEA-SR - 10/16  
   See SAND - 76-5389  
 \*IAEA-SR - 10/17  
   See SAND - 76-5707  
 \*IAEA-SR - 10/20  
   See SAND - 76-5373  
 \*IAEA-SR - 10/24  
   See SAND - 76-5390

## IAEA-TC

\*IAEA-TC - 82/2 282006  
 \*IAEA-TC - 82/11 291103

## IBK

\*IBK - 1353 297920  
 \*IBK - 1359 297921  
 \*IBK - 1380 299261  
 \*IBK - 1384 298626  
 \*IBK - 1387 303951

## IC

\*IC - 75-81 294715  
 \*IC - 75-83 282080  
 \*IC - 75-84 294076  
 \*IC - 75-152 279810  
 \*IC - 76-35 295049  
 \*IC - 76-38 295050  
 \*IC - 76-65 309203

## ICONS

\*ICONS - 00049 284023  
 \*ICONS - 00051 284024  
 \*ICONS - 01379 284025  
 \*ICONS - 02130 284027  
 \*ICONS - 02131 284026  
 \*ICONS - 02152 292678  
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 \*ICONS - 02157 310970  
 \*ICONS - 02158 307145  
 \*ICONS - 02159 311302  
 \*ICONS - 02161 309698  
 \*ICONS - 02162 310751  
 \*ICONS - 02163 311301

## ICP

\*ICP - 1037 292679  
 \*ICP - 1072 297049  
 \*ICP - 1082 283845  
 \*ICP - 1086 283230  
 \*ICP - 1087 284390  
 \*ICP - 1094 289112  
 \*ICP - 1095 296516  
 \*ICP - 1097 305777  
 \*ICP - 1099 290985

## ICRM-S

\*ICRM-S - 1  
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## IDO

\*IDO - 10065 312459  
 \*IDO - 12080 289825  
 \*IDO - 22056 293455

## IEA

\*IEA - 344 293624  
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 \*IEA - 409 285568  
 \*IEA - 412 286457  
 \*IEA - 413 289126  
 \*IEA - 416 300887  
 \*IEA - 417 300993  
 \*IEA - 419 301655  
 \*IEA - 421 301873

## IEA-TI

\*IEA-TI - 34 301548  
 \*IEA-TI - 44 287793  
 \*IEA-TI - 45 285954  
 \*IEA-TI - 46 287154

## IFT

\*IFT - 205/75 302098

## IFVE

\*IFVE - 75-155 296702

## IFVE-INZ

\*IFVE-INZ - 74-130 281623  
 \*IFVE-INZ - 74-151 284052  
 \*IFVE-INZ - 75-1 310827

## IFVE-LRI

\*IFVE-LRI - 75-6 293687  
 \*IFVE-LRI - 75-106 306800

## IFVE-LRI/OV/OP

\*IFVE-LRI/OV/OP - 75-135 306801

## IFVE-M

\*IFVE-M - 6 288764  
 \*IFVE-M - 7 280286  
 \*IFVE-M - 8 311932  
 \*IFVE-M - 9 282546

## IFVE-OMVT

\*IFVE-OMVT - 75-118 284366

## IFVE-OP

\*IFVE-OP - 74-2 291877  
 \*IFVE-OP - 74-41 293662  
 \*IFVE-OP - 74-53 293660  
 \*IFVE-OP - 74-54 290474  
 \*IFVE-OP - 74-55 281928  
 \*IFVE-OP - 74-82 293939  
 \*IFVE-OP - 74-143 293666  
 \*IFVE-OP - 74-149 293689

## IFVE-ORI

\*IFVE-ORI - 74-131 293672

## IFVE-OTF

\*IFVE-OTF - 75-49 294626  
 \*IFVE-OTF - 75-131 311967

## IFVE-PEF

\*IFVE-PEF - 75-21 293674  
 \*IFVE-PEF - 75-27 299811  
 \*IFVE-PEF - 75-43 293885  
 \*IFVE-PEF - 75-69 288766  
 \*IFVE-PEF - 75-72 294769  
 \*IFVE-PEF - 75-102 293975

## IFVE-PKU

\*IFVE-PKU - 75-20 293694  
 \*IFVE-PKU - 75-155 310808

**IFVE PPK**

IFVE PPK - 75-41 293878  
 IFVE PPK - 75-60 297118  
 IFVE PPK - 75-117 291145  
 IFVE PPK - 75-119 294037  
 IFVE PPK - 75-128 307426

**IFVE REF**

IFVE REF - 75-18 284364

**IFVE SEF**

IFVE SEF - 74 19 306906  
 IFVE SEF - 74-21 293887  
 IFVE SEF - 74-22 287699  
 IFVE SEF - 74-24 287698  
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 IFVE SEF - 75-14 287719  
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**IFVE SEF/OP**

IFVE SEF/OP - 74-80 293661

**IFVE SKU**

IFVE SKU - 74-68 293701  
 IFVE SKU - 74-85 290490

**IFVE SPK**

IFVE SPK - 74-31 284330  
 IFVE SPK - 74-32 282487  
 IFVE SPK - 74-45 293961  
 IFVE SPK - 74-56 281922  
 IFVE SPK - 74-72 297768  
 IFVE SPK - 74-74 281927  
 IFVE SPK - 74-90 284476  
 IFVE SPK - 74-95 284045  
 IFVE SPK - 74-148 288816

**IFVE STF**

IFVE STF - 74-28 280246  
 IFVE STF - 74-43 284601  
 IFVE STF - 74-59 280245  
 IFVE STF - 74-76 291193  
 IFVE STF - 74-104 291191  
 IFVE STF - 74-116 291158  
 IFVE STF - 74-119 291195  
 IFVE STF - 75-5 280218

**IFVE SVM**

IFVE SVM - 74-138 307670

**IFVE SVM/SPK/SE**

IFVE SVM/SPK/SEF - 74-73 311360

**IGN**

IGN - 177 284492

**IGS**

\*IGS - 76/12 287764

**IHP INZH**

IHP INZH - 72 29  
 See GSI-tr - 14/76

**IHZ K**

IHZ K - 75-67 296775

**IKDA**

IKDA - 75/28 300061  
 IKDA - 76/18 303416

**IKE**

IKE - 2-30 296654  
 IKE - 2-31 302014  
 IKE - 2-33 303582  
 IKE - 4-53 284081  
 IKE - 4-55 281648  
 IKE - 4-65 307660  
 IKE - 5-197 306723  
 IKE - 5-198 306724  
 IKE - 5-200 307035  
 IKE - 5-201 310778  
 IKE - 6-94 310627  
 IKE - 6-102 284088  
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 IKE - 6-104 306405

**IKO KE**

IKO KE - 2 302821

**ILL-RA**

ILL-RA - 1975(app.) 282026

**IMSF**

\*IMSF - 23 281378

**INDC(CCP)**

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 296993, 296996, 297101, 297103, 297104,  
 297116, 297131  
 INDC(CCP) - 90/U 294978  
 INDC(CCP) - 91/U 285860  
 INDC(CCP) - 92/N 300573  
 INDC(CCP) - 93/N 285891  
 INDC(CCP) - 98/U 313612

**INDC(HUN)**

INDC(HUN) - 13/L+Sp 297133

**INDC(NDS)**

INDC(NDS) - 75/G+P 295034

**INDC(SEC)**

INDC(SEC) - 54/L+Dos 301456

**INDC(USA)**

INDC(USA) - 58  
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**INEL-TR**

INEL-TR - 7 310623

**INFN-FT**

INFN-FT - 11 309097

**INIS MF**

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 INIS mf - 3013 287817  
 INIS mf - 3016 287827  
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 INIS mf - 3021 287820  
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 INIS mf - 3148 281146, 281313, 281390,  
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 INIS mf - 3173 293013  
 INIS mf - 3183 297197  
 INIS mf - 3185 288447  
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See COO-2457-3

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*See* GSI-tr - 8/76  
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*See* N - 76-12923  
 JPL-TM - 33-749  
*See* N - 76-14193

**JPNRSR**

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*See* N - 75-32993

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**JUEL**

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**NASA-CR**

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See N-76-20230  
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#### NASA-SP

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 NASA-SP-8118  
 See N-75-24607

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**NASA-TN-D**

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 See N-76-18725  
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 See N-76-20960

**NASA-TR-R**

NASA-TR-R-443 M138  
 See N-75-24502  
 NASA-TR-R-455  
 See N-76-18009

**NBI-HE**

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**NBL**

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**NBS-SP**

NBS-SP-260-1975-76  
 See COM-75-10943  
 NBS-SP-366(Suppl.2)  
 See PB-246714

**NBS-SPECIAL PUB**

NBS-Special Pub-426  
 See PB-252687

**NBS-TN**

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 See COM-75-10957  
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 See PB-248982  
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 See PB-251269  
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 See PB-249541

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 See PB-249041  
 NBSIR-75-973  
 See PB-249255

**NCAR-CT**

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 See PB-247519

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 See PB-245727

**NCAR/TN/STR**

NCAR/TN/STR-100  
 See PB-245731

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**NCRP**

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**NCSR-R**

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**NE**

NE-3949-111-75  
 See ORO-4313-11  
 NE-3949-112-75  
 See ORO-4313-11

**NEANDC-E**

NEANDC-E-176-L  
 See CEA-R-4799

**NEDC**

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**NEDO**

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 NEDO-21354 307107

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 NIIAR-P-235 283143  
 NIIAR-P-238 290941  
 NIIAR-P-239 281068  
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NIIEFA-A - 0217 296719

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NIIEFA-T - 0194 294457

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NIM - 1841 309700  
NIM - 1861 309483

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NP - 20969 297059  
NP - 20989 290267  
\*NP - 20991 291055  
NP - 20998 290625  
NP - 21103 290172  
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NP - 21135 293120  
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NP - 21283 306512  
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NRCI - 76/5 287804  
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NRCN - 402 292285  
NRCN - 406 284793  
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NRCN(TN) - 363 287830  
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NRL-MR - 3411 304465

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NRPB-R - 4 281267  
NRPB-R - 5 281278  
NRPB-R - 6 281372  
NRPB-R - 7 281422  
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NRPB-R - 10 281277  
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\*NTIS/PS - 75/684/1ST 283840  
\*NTIS/PS - 75/846 296051  
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\*NTIS/PS - 76/0037 306477  
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\*NTIS/PS - 76/0126 297627  
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\*NTIS/PS - 76/0135 297192  
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\*NTIS/PS - 76/0161 298515

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\*NTIS/PS - 76/0353 305903  
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\*NTIS/PS - 76/0481 309477  
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 ORNL - 4955 280483  
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 ORNL-tr - 4018 282561  
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 ORO - 4043-36 298091  
 ORO - 4067-7 286629  
 ORO - 4155-1 310312  
 ORO - 4241-6 286738  
 ORO - 4313-11 299224  
 ORO - 4313-12  
 See ORO - 4313-11  
 ORO - 4322-19 288972  
 ORO - 4325-19 304249  
 ORO - 4449-8 297890  
 ORO - 4449-19 291846  
 ORO - 4493-3 281133  
 ORO - 4700-3 312472  
 ORO - 4721-2 295894  
 ORO - 4814-9 284306  
 ORO - 4856-53 282621  
 ORO - 4856-54 285608  
 ORO - 4856-55 291940  
 ORO - 4856-56 291883  
 ORO - 4856-57 282068  
 ORO - 4856-58 305217  
 ORO - 4881-6 307910  
 ORO - 4958-4 290237  
 ORO - 5002-1 291224  
 ORO - 5017-1 312830  
 ORO - 5126-2 288956  
 ORO - 5126-4 304894  
 ORO - 5126-5 297960  
 ORO - 5126-6 297809

## ORP/CSD

ORP/CSD - 75-3 293312  
 ORP/CSD - 75-4 293309

## ORP/LV

ORP/LV - 75-1  
 See PB - 242983  
 ORP/LV - 75-2  
 See PB - 245869  
 ORP/LV - 75-4  
 See PB - 247282  
 ORP/LV - 75-5  
 See PB - 250675  
 ORP/LV - 75-6  
 See PB - 250729  
 ORP/LV - 75-7(A)  
 See PB - 247758  
 ORP/LV - 76-1  
 See PB - 252670

## OSP

OSP - 77916  
 See COO - 3069-418

## OT/TRER

OT/TRER - 38  
 See COM - 75-10818

## OTR

OTR - 73-12  
 See COM - 75-10947

## OULNS

OULNS - 76-1 300726  
 OULNS - 76-3 307685

## P

\*P - 203/75 303579  
 \*P - 377 301529  
 \*P - 628 301999  
 \*P - 631 313103  
 \*P - 674 303692  
 \*P - 675 303366  
 \*P - 5324 300968  
 \*P - 5589 303596  
 \*P - 7434 302875  
 \*P - 19543 302897  
 \*P - 19664 302881  
 \*p - 22122 303553

## PAEC(D)

PAEC(D) - 75002 296023  
 PAEC(D) - 75008 298818  
 PAEC(D) - 75009 298467  
 PAEC(D) - 75010 298906  
 PAEC(D) - 76002 298200  
 PAEC(D) - 76004 296252  
 PAEC(D) - 76006 299002  
 PAEC(D) - 76007 296407  
 PAEC(D) - 76008 299151

PAEC(D) - 76009 296287  
 PAEC(D) - 76010 298856  
 PAEC(D) - 76014 296301  
 PAEC(D) - 76015 296134  
 PAEC(D) - 76016 296135  
 PAEC(D) - 76017 296288  
 PAEC(D) - 76018 296161  
 PAEC(D) - 76019 296349  
 PAEC(D) - 76020 296352  
 PAEC(D) - 76022 296123  
 PAEC(D) - 76023 296383  
 PAEC(D) - 76027 296357  
 PAEC(D) - 76028 296121  
 PAEC(D) - 76029 298147  
 PAEC(D) - 76030 296122  
 PAEC(D) - 76032 299354  
 PAEC(D) - 76036 300037  
 PAEC(D) - 76039 296928  
 PAEC(D) - 76046 300071

## PATENTS

\*Australian patent 467305 298450  
 \*Australian patent 466307/B/ 299288  
 \*Australian patent 466313/B/ 299643  
 \*Australian patent 466772/B/ 299468  
 \*Australian patent 467247/B/ 299009  
 \*Australian patent 467848/B/ 299806  
 \*Australian patent 468472/B/ 299304  
 \*Australian patent 468537/B/ 284250  
 \*Australian patent 469575/B/ 298741  
 \*Australian patent 469610/B/ 299638  
 \*Australian Patent 470017/B/ 298513  
 \*Australian patent 75/77403/B/ 299893  
 \*Australian patent document 74/72593/A/ 281114  
 \*Australian patent document 74/75273/A/ 284151  
 \*Australian patent document 74/75505/A/ 284288  
 \*Australian patent document 74/75590/A/ 282415  
 \*Australian patent document 74/75622/A/ 283476  
 \*Australian patent document 74/76036/A/ 283165  
 \*Australian patent document 74/76118/A/ 290105  
 \*Australian patent document 74/76471/A/ 283232  
 \*Australian patent document 74/76645/A/ 283914  
 \*Australian patent document 75/77465/A/ 283109  
 \*Canadian patent 975137 283942  
 \*Canadian patent 975475 281449  
 \*Canadian patent 976109 281501  
 \*Canadian patent 976363 280850  
 \*Canadian patent 977075 281122  
 \*Canadian patent 977544 280845  
 \*Canadian patent 977952 281673  
 \*Canadian patent 977976 280846  
 \*Canadian patent 978284 281119  
 \*Canadian patent 978285 281153  
 \*Canadian patent 978287 279900  
 \*Canadian patent 978666 281511  
 \*Canadian patent 978667 281482  
 \*Canadian patent 978668 281670  
 \*Canadian patent 980023 281599  
 \*Canadian patent 980024 281704  
 \*Canadian patent 980025 281705  
 \*Canadian patent 980104 281681  
 \*Canadian patent 980293 281498  
 \*Canadian patent 994010 312941  
 Canadian patent 994012 299803 307367  
 Canadian patent 994013 299311 306637  
 Canadian patent 994014 299648 307040  
 Canadian patent 994015 299637 307015  
 Canadian patent 994477 298715 306051  
 Canadian patent 994927 299495 306869  
 Canadian patent 994928 299644 307029  
 \*Canadian patent 994999 301520  
 \*Canadian patent 995127 301588  
 \*Canadian patent 995621 301545  
 \*Canadian patent 996686 301533  
 \*Canadian patent 996689 301761  
 \*Canadian patent 997075 301517  
 \*Canadian patent 997487 301585  
 \*Canadian patent 997708 301506  
 \*Canadian patent 997872 301092  
 Canadian patent 997873 299585 310950  
 Canadian patent 998189 299647 307039  
 Canadian patent 998477 299652 307043  
 Canadian patent 998781 299829 307436  
 \*Canadian patent 999685 301498  
 \*Canadian patent 999686 301871  
 \*Canadian patent 999687 301760  
 \*Canadian patent 999984 301917  
 \*Canadian patent 999985 301767  
 \*Canadian patent 1000421 301759  
 \*Canadian patent 1000875 301897

- \*Canadian patent 1000876 301853
- Czechoslovak patent 145119 296994
- Czechoslovak patent 145719 294228
- Czechoslovak patent 145746 302981
- Czechoslovak patent 145748 302980
- Czechoslovak patent 146340 290451
- Czechoslovak patent 147365 296991
- Czechoslovak patent 148558 298707
- Czechoslovak patent 148841 298406
- Czechoslovak patent 148842 298405
- Czechoslovak patent 149177 296765
- Czechoslovak patent 149219 296980
- Czechoslovak patent 149378 298446
- Czechoslovak patent 150018 287329
- Czechoslovak patent 151172 282673
- Czechoslovak patent 151859 287422
- Czechoslovak patent 151866 296943
- Czechoslovak patent 152039 287372
- Czechoslovak patent 152213 287666
- Czechoslovak patent 152547 287338
- Czechoslovak patent 152732 287706
- Czechoslovak patent 152795 287145
- Czechoslovak patent 154987 287144
- Czechoslovak patent 155088 287135
- Czechoslovak patent 155096 296931
- Czechoslovak patent 155296 287140
- Czechoslovak patent 155548 287137
- Czechoslovak patent 155624 287648
- Czechoslovak patent 155833 286272
- Czechoslovak patent 156599 296997
- Czechoslovak patent 156727 287371
- Czechoslovak patent 156877 287645
- Czechoslovak patent 157175 287384
- Czechoslovak patent 157458 287227
- Czechoslovak patent 157481 287471
- Czechoslovak patent 157484 287717
- Czechoslovak patent 157488 287383
- Czechoslovak patent 158043 296913
- Czechoslovak patent 158044 296820
- Czechoslovak patent 158045 296644
- Czechoslovak patent 158095 296937
- Czechoslovak patent 158099 296627
- Czechoslovak patent 158454 296821
- Czechoslovak patent 158529 295589
- Czechoslovak patent 158857 295939
- Czechoslovak patent 158861 296803
- Czechoslovak patent 158863 296689
- Czechoslovak patent 158873 296796
- Czechoslovak patent 159149 296998
- Czechoslovak patent 159203 296645
- Czechoslovak patent 159246 296640
- Czechoslovak patent 159354 296944
- Czechoslovak patent 159894 296642
- Czechoslovak patent 160035 282771
- Czechoslovak patent 160435 296948
- Czechoslovak patent 160522 284269
- Czechoslovak patent document 150462/B/313202
- Czechoslovak patent document 158100/B/313179
- Danish patent document 5819/72/A/299901
- \*French patent document 2273370 281859
- \*French patent document 2275404A 292995
- \*French patent document 2275833/A 284032
- \*French patent document 2268588/A/287404
- \*French patent document 2270930/A/293545
- \*French patent document 2271302/A/286369
- \*French patent document 2271476/A/287382
- \*French patent document 2271493/A/287398
- \*French patent document 2271504/A/281665
- \*French patent document 2271570/A/281937
- \*French patent document 2271571/A/281925
- \*French patent document 2271583/A/293883
- \*French patent document 2271584/A/293882
- \*French patent document 2271639/A/281836
- \*French patent document 2271870/A/293549
- \*French patent document 2272313/A/281658
- \*French patent document 2273251/E/287774
- \*French patent document 2273347/A/287467
- \*French patent document 2273349/A/287413
- \*French patent document 2273350/E/281961
- \*French patent document 2273579/A/293547
- \*French patent document 2273631/A/281567
- \*French patent document 2273923/A/281653
- \*French patent document 2274042/A/281635
- \*French patent document 2274120/A/287504
- \*French patent document 2274339/A/293559
- \*French patent document 2274421/A/286505
- \*French patent document 2274630/A/293623
- \*French patent document 2274935/A/293902
- \*French patent document 2274994/A/281817
- \*French patent document 2274995/A/287578
- \*French patent document 2275022/E/281848
- \*French patent document 2275112/A/284985
- \*French patent document 2275240/A/281518
- \*French patent document 2275243/A/281409
- \*French patent document 2275247/A/293552
- \*French patent document 2275285/A/287234
- \*French patent document 2275483/A/292566
- \*French patent document 2275643/A/287488
- \*French patent document 2275678/A/281656
- \*French patent document 2275731/A/287311
- \*French patent document 2275784/A/293914
- \*French patent document 2275816/A/284031
- \*French patent document 2275852/A/281795
- \*French patent document 2275853/A/281746
- \*French patent document 2275856/A/281446
- \*French patent document 2275857/A/287663
- \*French patent document 2276598/A/293934
- \*French patent document 2276662/A/281667
- \*French patent document 2276663/A/281818
- \*French patent document 2276872/A/292340
- \*French patent document 2276896/A/281671
- \*French patent document 2276985/A/281829
- \*French patent document 2277308/A/287787
- \*French patent document 2277415/A/292677
- \*French patent document 2278051/A/281799
- \*French patent document 2278070/A/281798
- \*French patent document 2278113/A/281926
- \*French patent document 2278136/A/281748
- \*French patent document 2278162/A/287665
- \*French patent document 2278405/A/287754
- \*French patent document 2278457/A/281563
- \*French patent document 2278862/A/287332
- \*French patent document 2278958/A/287100
- \*French patent document 2279001/A/287387
- \*French patent document 2279051/A/281750
- \*French patent document 2279052/A/281979
- \*French patent document 2279114/A/281851
- \*French patent document 2279119/A/293586
- \*French patent document 2279146/A/281939
- \*French patent document 2279199/A/287557
- \*French patent document 2279200/A/281800
- \*French patent document 2279201/A/281793
- \*French patent document 2279204/A/286535
- \*French patent document 2279206/A/281447
- \*French patent document 2279441/A/303479
- \*French patent document 2279546/A/301543
- \*French patent document 2279749/A/300804
- \*French patent document 2280174/A/301765
- \*French patent document 2280175/A/301830
- \*French patent document 2280176/A/301831
- \*French patent document 2280178/A/299604
- \*French patent document 2280179/A/301842
- \*French patent document 2280180/A/299907
- \*French patent document 2280399/A/303390
- \*French patent document 2280481/E/301590
- \*French patent document 2280899/A/299875
- \*French patent document 2280953/A/301661
- \*French patent document 2280954/A/311245
- \*French patent document 2281134/A/302919
- \*French patent document 2281157/A/303313
- \*French patent document 2281630/A/299783
- \*French patent document 2281632/A/299784
- \*French patent document 2281633/A/299731
- \*French patent document 2281634/A/301774
- \*French patent document 2281635/A/310956
- \*French patent document 2282144/A/311048
- \*French patent document 2282614/A/303693
- \*French patent document 2282697/A/301800
- \*French patent document 2282698/E/299692
- \*French patent document 2282909/A/309641
- \*French patent document 2282928/A/301487
- \*French patent document 2283209/A/298660
- \*French patent document 2283385/A/301858
- \*French patent document 2283427/A/303740
- \*French patent document 2283439/A/301294
- \*French patent document 2283452/A/301107
- \*French patent document 2283515/A/299656
- \*French patent document 2283516/E/303717
- \*French patent document 2283517/A/301857
- \*French patent document 2283518/A/301847
- \*French patent document 2283519/A/301860
- \*French patent document 2283521/A/301862
- \*French patent document 2283522/A/299773
- \*French patent document 2283523/A/301876
- \*French patent document 2283524/A/301812
- \*French patent document 2283547/E/311212
- \*French patent document 2283553/A/303782
- \*French patent document 2284169/A/301864
- \*French patent document 2284170/A/299759



- \*French patent document 2284654/A/  
301542
- \*French patent document 2284801/A/  
301580
- \*French patent document 2284849/A/  
301783
- \*French patent document 2284954/A/  
299768
- \*French patent document 2284955/A/  
301856
- \*French patent document 2284956/E/  
299733
- \*French patent document 2284957/A/  
301848
- \*French patent document 2284958/A/  
303815
- \*French patent document 2284959/A/  
299916
- \*French patent document 2284991/A/  
303798
- \*French patent document 2285172/A/  
299696
- \*French patent document 2285573/A/  
299557
- \*French patent document 2285613/A/  
301233
- \*French patent document 2285681/A/  
299758
- \*French patent document 2285682/A/  
301801
- \*French patent document 2285683/A/  
299653
- \*French patent document 2285685/A/  
308780
- \*French patent document 2285686/A/  
293655
- \*French patent document 2286392/A/  
299858
- \*French patent document 2286393/A/  
311077
- \*French patent document 2286472/A/  
301850
- \*French patent document 2286473/A/  
301846
- \*French patent document 2286474/A/  
301863
- \*French patent document 2286475/A/  
299714
- \*French patent document 2286476/A/  
301825
- \*French patent document 2286477/A/  
303650
- \*French patent document 2286480/A/  
298395
- \*French patent document 2287048/A/  
303759
- \*French patent document 2287091/A/  
311024
- \*French patent document 2287092/A/  
301589
- \*French patent document 2287254/A/  
301490
- \*French patent document 2287329/A/  
310955
- \*French patent document 2287517/A/  
302987
- \*French patent document 2287668/A/  
303724
- \*French patent document 2288287/A/  
303483
- \*French patent document 2288310/A/  
302868
- \*French patent document 2288914/A/  
303744
- \*French patent document 2288978/A/  
303354
- \*French patent document 2288979/A/  
303748
- \*French patent document 2289028/A/  
303751
- \*French patent document 2289029/A/  
303545
- \*French patent document 2289030/A/  
303703
- \*French patent document 2289031/A/  
303706
- \*French patent document 2289032/A/  
303716
- \*French patent document 2289033/A/  
303710
- \*French patent document 2289620/A/  
302996
- \*French patent document 2289911/A/  
303746
- \*French patent document 2290003/A/  
303753
- \*French patent document 2290005/A/  
303585
- \*French patent document 2290061/A/  
303319
- \*French patent document 2290646/A/  
303476
- \*French patent document 2290733/A/  
303489
- \*French patent document 2290734/A/  
303497
- \*French patent document 2290735/A/  
303503
- \*French patent document 2290736/A/  
303501
- \*French patent document 2290737/A/  
303500
- \*French patent document 2290738/A/  
303490
- \*French patent document 2290739/A/  
303502
- \*French patent document 2290742/A/  
303571
- \*French patent document 2290743/A/  
303426
- \*French patent document 2290744/A/  
303559
- \*French patent document 2290793/A/  
303595
- \*French patent document 2291578/A/  
303540
- \*French patent document 2291579/A/  
303570
- \*French patent document 2291580/A/  
303701
- \*French patent document 2292224/A/  
301587
- \*French patent document 2292311/A/  
302329
- \*French patent document 2292312/E/  
308310
- \*French patent document 2292379/A/  
301991
- \*French patent document 2293036/A/  
308330
- \*French patent document 2293684/E/  
310990
- \*French patent document 2294518/A/  
311014
- \*French patent document 2295536/E/  
311017
- \*French patent document 2295537/A/  
311269
- \*French patent document 2296248/A/  
311009
- \*French patent document 2296832/A/  
310997
- \*French patent document 2296917/A/  
308352
- \*French patent document 2296920/A/  
311052
- \*French patent document 2296921/A/  
310952
- \*French patent document 2297480/A/  
311023
- \*French patent document 2297482/A/  
311051
- \*French patent document 2297698/A/  
310800
- \*French patent document 2298056/A/  
310802
- \*French patent document 2298164/A/  
310960
- \*French patent document 2298165/A/  
310803
- \*French patent document 2298858/A/  
310994
- \*French patent document 2298859/A/  
310958
- German (F.R.) patent document 293576
- German (F.R.) patent document  
1233500/C/ 287598
- German (F.R.) patent document  
1265881/C/ 287443
- German (F.R.) patent document  
1296826/C/ 287673
- German (F.R.) patent document  
1501509/B/ 281651
- German (F.R.) patent document  
1501544/C/ 290749
- German (F.R.) patent document  
1514977/C/ 287436
- German (F.R.) patent document  
1533142/C/ 298500
- German (F.R.) patent document  
1539288/B/ 285299
- German (F.R.) patent document  
1551022/C/ 293765
- German (F.R.) patent document  
1564114/B/ 293723
- German (F.R.) patent document  
1564974/B/ 281399
- German (F.R.) patent document  
1589770/B/ 293798
- German (F.R.) patent document  
1592177/C/ 292466
- German (F.R.) patent document  
1616112/C/ 293974
- German (F.R.) patent document  
1616113/C/ 287653
- German (F.R.) patent document  
1639394/C/ 287415
- German (F.R.) patent document  
1667522/C/ 295929
- German (F.R.) patent document  
1694177/B/ 287149
- German (F.R.) patent document  
1719241/B/ 293616
- German (F.R.) patent document  
1767999/B/ 290980
- German (F.R.) patent document  
1771018/B/ 289677
- German (F.R.) patent document  
1781449/C/ 296681
- German (F.R.) patent document  
1802867/C/ 299301
- German (F.R.) patent document  
1815047/B/ 287381
- German (F.R.) patent document  
1908379/B/ 281768
- German (F.R.) patent document  
1930033/B/ 293773
- German (F.R.) patent document  
1932904/C/ 287473
- German (F.R.) patent document  
1934748/B/ 287033
- German (F.R.) patent document  
1941433/B/ 281929
- German (F.R.) patent document  
1945087/B/ 287625
- German (F.R.) patent document  
1949985/A/ 299285
- German (F.R.) patent document  
1951418/B/ 281718
- German (F.R.) patent document  
1957357/C/ 287148
- German (F.R.) patent document  
1963364/B/ 287213
- German (F.R.) patent document  
2004360/C/ 295884
- German (F.R.) patent document  
2019662/B/ 287444
- German (F.R.) patent document  
2020382/B/ 284118
- German (F.R.) patent document  
2021070/B/ 286553
- German (F.R.) patent document  
2023343/B/ 293796
- German (F.R.) patent document  
2030102/B/ 310643
- German (F.R.) patent document  
2032791/B/ 287421
- German (F.R.) patent document  
2037796/B/ 287396
- German (F.R.) patent document  
2038658/B/ 298422
- German (F.R.) patent document  
2040686/C/ 292684
- German (F.R.) patent document  
2042736/B/ 287563
- German (F.R.) patent document  
2043248/B/ 287454
- German (F.R.) patent document  
2047983/B/ 309638
- \*German (F.R.) patent document  
2054837/C/ 287437
- German (F.R.) patent document  
2057356/C/ 299355
- German (F.R.) patent document  
2065763/A/ 299832
- German (F.R.) patent document  
2102438/B/ 287539
- German (F.R.) patent document  
2104356/B/ 293750
- German (F.R.) patent document  
2112471/B/ 293784
- German (F.R.) patent document  
2112472/C/ 287474
- German (F.R.) patent document  
2117698/B/ 287618
- German (F.R.) patent document  
2120177/B/ 293783
- German (F.R.) patent document  
2134420/C/ 287427
- German (F.R.) patent document  
2137133/C/ 287499
- German (F.R.) patent document  
2142422/B/ 285948
- German (F.R.) patent document  
2146608/B/ 293652
- German (F.R.) patent document  
2147472/B/ 301052
- German (F.R.) patent document  
2148174/B/ 293903
- German (F.R.) patent document

2156953 C/ 290567	2333154 A/ 296863	2412974 A/ 293598
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2160507 B/ 287527	2336146 A/ 284107	2413464 A/ 293801
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2163887 B/ 287623	2336517 A/ 283422	2413481 B/ 284180
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2207011 B/ 287531	2338044 B/ 296680	2414728 A/ 298340
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2207866 C/ 299158	2338265 C/ 287035	2414936 A/ 284349
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2208855 B/ 294836	2338480 A/ 299470	2416513 A/ 284292
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2213073 B/ 293769	2338660 A/ 281525	2417601 A/ 293816
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2214083 C/ 296794	2340702 A/ 285311	2417822 B/ 287346
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2214413 B/ 284030	2341040 A/ 299356	2419033 B/ 287221
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2214859 C/ 299142	2342262 B/ 293821	2419192 A/ 283911
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2219485 B/ 287075	2344618 A/ 286368	2420231 A/ 284954
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2221002 C/ 287472	2345081 A/ 287507	2420336 A/ 287408
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2211236 C/ 293808	2345430 A/ 289822	2421142 A/ 290983
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2219050 B/ 287228	2347765 B/ 284332	2422838 A/ 283591
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2219226 C/ 313225	2347765 C/ 287690	2423501 B/ 293841
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2244204 B/ 284283	2348282 A/ 289696	2423611 A/ 284177
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2245113 C/ 290587	2348947 A/ 296897	2423611 B/ 286364
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2246186 B/ 287143	2350364 A/ 283377	2423752 C/ 287224
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2249424 B/ 289410	2350465 A/ 283378	2424075 A/ 310914
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2249424 C/ 312236	2350466 A/ 283379	2424427 B/ 290562
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2251422 C/ 288108	2353233 B/ 298398	2427127 A/ 289813
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2255557 B/ 292708	2353233 C/ 309705	2428541 B/ 296802
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2257000 B/ 287445	2353683 A/ 299883	2428980 C/ 293771
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2261190 S/ 290942	2355185 C/ 284355	2429837 A/ 283240
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2261477 C/ 293811	2355698 A/ 284117	2430161 A/ 287340
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2262881 C/ 298501	2357978 A/ 287364	2430927 A/ 282775
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
22103875 C/ 310986	2358372 A/ 297745	2431115 A/ 293568
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2305328 A/ 287657	2358652 A/ 293622	2431115 B/ 293567
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2305675 A/ 287658	2358688 A/ 283244	2431478 A/ 293761
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2306751 A/ 287110	2359163 A/ 284034	2432011 A/ 293753
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2308308 A/ 287108	2359248 A/ 282335	2432347 A/ 287501
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2308509 A/ 287109	2359889 A/ 301546	2433304 A/ 293744
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2308882 A/ 287469	2359904 A/ 284109	2433521 A/ 287414
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2309185 A/ 287232	2362391 A/ 287620	2433980 A/ 299879
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2310080 A/ 287492	2365114 B/ 286248	2434226 A/ 287468
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2312803 A/ 287380	2400274 A/ 282360	2434504 A/ 293619
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2313786 B/ 287236	2403668 B/ 284096	2434830 A/ 293971
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2316074 B/ 296843	2403668 C/ 287508	2435358 A/ 293827
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2317014 A/ 287144	2404843 A/ 290695	2437623 A/ 301919
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2318059 B/ 287406	2404985 B/ 307228	2437810 B/ 299920
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2319325 A/ 287276	2405723 B/ 281546	2438710 A/ 296649
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2320751 A/ 287691	2405999 A/ 284009	2438724 C/ 299361
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2325388 B/ 287345	2406717 A/ 293565	2438776 A/ 284165
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2326156 A/ 287314	2406916 A/ 284171	2438921 A/ 303825
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2326151 A/ 287448	2406918 A/ 284006	2439224 A/ 287530
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2326224 B/ 286729	2409762 A/ 289328	2439706 A/ 293739
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2326498 A/ 287222	2411039 A/ 287520	2439873 A/ 282886
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2330149 B/ 289197	2411637 A/ 300924	2439954 A/ 293781
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2330159 B/ 305650	2411745 C/ 301047	2440054 A/ 286274
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document
2333094 A/ 299645	2411753 A/ 286283	2440431 A/ 283137
German (F.R.) patent document	German (F.R.) patent document	German (F.R.) patent document



2441479/B/ 299976	2505645/A/ 281677	114715/D/ 303327
German (F.R.) patent document	German (F.R.) patent document	German Dem. Rep. patent document
2442009/A/ 284272	2505692/A/ 301768	116978/D/ 301762
German (F.R.) patent document	German (F.R.) patent document	German Dem. Rep. patent document
2442038/A/ 284113	2506293/A/ 313324	116979/D/ 301763
German (F.R.) patent document	German (F.R.) patent document	German Dem. Rep. patent document
2442625/A/ 310122	2506415/A/ 290450	118955/D/ 307147
German (F.R.) patent document	German (F.R.) patent document	German Dem. Rep. patent document
2442722/A/ 287461	2508544/A/ 287215	118956/D/ 301458
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1974-356/B/
2443018/A/ 293857	2510835/A/ 287333	281508
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-237/B/
2443520/A/ 283231	2515268/A/ 293768	281621
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-238/B/
2443559/A/ 293862	2518453/A/ 302905	281609
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-239/B/
2443696/A/ 298443	2519401/A/ 286310	281625
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-240/B/
2443765/A/ 296688	2520805/A/ 310613	281581
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-715/B/
2443843/A/ 301056	2520847/A/ 301544	281688
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-717/B/
2443878/A/ 312302	2521095/A/ 281843	281685
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-718/B/
2443961/A/ 293856	2521975/A/ 281846	281810
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1974-7836/B/
2444777/C/ 299887	2521986/A/ 286307	281707
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1974-8675/B/
2445225/A/ 293754	2525119/A/ 287466	281696
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-1675/B/
2445984/A/ 293820	2525157/A/ 287565	284050
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-1676/B/
2446044/A/ 293766	2525832/A/ 296940	284040
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-1677/B/
2446642/A/ 303558	2526123/A/ 288227	281578
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-1678/B/
2447667/A/ 310874	2527664/A/ 293747	290515
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-1679/B/
2448733/A/ 287756	2527686/A/ 287433	290499
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-1680/B/
2449451/C/ 301673	2530663/A/ 293566	281608
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-1783/B/
2451596/A/ 283932	2530896/A/ 299362	281500
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-2468/B/
2452540/A/ 313449	2532739/A/ 289672	283935
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-2586/B/
2452598/A/ 300970	2533135/A/ 289666	284313
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-2587/B/
2453404/A/ 293983	2535355/A/ 293837	290605
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-2588/B/
2454051/A/ 289509	2536330/A/ 293933	284319
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-2589/B/
2455507/A/ 310992	2538654/A/ 293749	284279
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-2590/B/
2456019/A/ 290643	2540351/A/ 281684	284280
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-2591/B/
2456405/A/ 293834	2541200/A/ 293778	284281
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-2592/B/
2458563/A/ 296596	2542415/A/ 312952	281898
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-2800/B/
2459150/A/ 287465	2547245/A/ 295904	281699
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-2833/B/
2459290/A/ 298629	2547321/A/ 311146	284278
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-3023/B/
2459339/A/ 293748	2548445/A/ 308309	283931
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-3477/B/
2459645/A/ 290576	2548446/A/ 308374	281693
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-3479/B/
2459736/A/ 290468	2548843/A/ 290876	280733
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-3661/B/
2460145/A/ 295576	2554891/A/ 290978	283967
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-5069/B/
2460250/A/ 287510	2555245/A/ 303696	284321
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-5070/B/
2461211/A/ 291874	2557910/A/ 307223	284320
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-5360/B/
2461630/A/ 299286	2600246/A/ 306916	280744
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-5414/B/
2500279/A/ 284953	2600953/A/ 288319	281439
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-5595/B/
2500429/A/ 294415	2600997/A/ 290472	281915
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-5597/B/
2501021/A/ 287217	2601093/A/ 313452	281905
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-5598/B/
2501794/A/ 307483	2601767/A/ 313298	284266
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-5799/B/
2502688/A/ 284353	2602368/A/ 299903	281663
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-5800/B/
2503124/A/ 313303	2603157/A/ 290991	281664
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-6920/B/
2503753/A/ 296016	2604974/A/ 288544	284220
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-7123/B/
2503763/A/ 286353	2438724/C/ 301547	281509
German (F.R.) patent document	German (F.R.) patent document	Japanese patent document 1975-7435/B/
2504496/A/ 287564	23490804/A/ 286257	281452
German (F.R.) patent document	German Dem. Rep. patent document	Japanese patent document 1975-7527/B/
2504786/A/ 286260	114712/D/ 310981	280619
German (F.R.) patent document	German Dem. Rep. patent document	Japanese patent document 1975-7546/B/
2505532/A/ 301379	114713/D/ 310982	281702
German (F.R.) patent document	German Dem. Rep. patent document	Japanese patent document 1975-8006/B/

283249	Japanese patent document 1975-8117/B/	284137	Japanese patent document 1975-11029/B/	281431	Japanese patent document 1975-18559/B/
283982	Japanese patent document 1975-8240/B/	281944	Japanese patent document 1975-11030/B/	281438	Japanese patent document 1975-18560/B/
281620	Japanese patent document 1975-8351/B/	281724	Japanese patent document 1975-11032/B/	297041	Japanese patent document 1975-18748/B/
281903	Japanese patent document 1975-8352/B/	281719	Japanese patent document 1975-11033/B/	281932	Japanese patent document 1975-19500/B/
284311	Japanese patent document 1975-8353/B/	281713	Japanese patent document 1975-11034/B/	281674	Japanese patent document 1975-19792/B/
284310	Japanese patent document 1975-8355/B/	281723	Japanese patent document 1975-11035/B/	281433	Japanese patent document 1975-20462/B/
284274	Japanese patent document 1975-8356/B/	281700	Japanese patent document 1975-11037/B/	281480	Japanese patent document 1975-20470/B/
284312	Japanese patent document 1975-9183/B/	284136	Japanese patent document 1975-11557/B/	284275	Japanese patent document 1975-20574/B/
283981	Japanese patent document 1975-9737/B/	284132	Japanese patent document 1975-11558/B/	283194	Japanese patent document 1975-20677/B/
281814	Japanese patent document 1975-9925/B/	281708	Japanese patent document 1975-11559/B/	281735	Japanese patent document 1975-20678/B/
281654	Japanese patent document 1975-9959/B/	284133	Japanese patent document 1975-12078/B/	281715	Japanese patent document 1975-20680/B/
284134	Japanese patent document 1973-28315/B/	281709	Japanese patent document 1975-12080/B/	281802	Japanese patent document 1975-20971/B/
284308	Japanese patent document 1973-29796/B/	284127	Japanese patent document 1975-12192/B/	283977	Japanese patent document 1975-21277/B/
281502	Japanese patent document 1973-30120/B/	281569	Japanese patent document 1975-12560/B/	281489	Japanese patent document 1975-22425/B/
281973	Japanese patent document 1973-34038/B/	284106	Japanese patent document 1975-12563/B/	282790	Japanese patent document 1975-22641/B/
284166	Japanese patent document 1973-34039/B/	282476	Japanese patent document 1975-13077/B/	281742	Japanese patent document 1975-22677/B/
284112	Japanese patent document 1973-38218/B/	282395	Japanese patent document 1975-13671/B/	281786	Japanese patent document 1975-22678/B/
281507	Japanese patent document 1973-38219/B/	284122	Japanese patent document 1975-13672/B/	281744	Japanese patent document 1975-22679/B/
281506	Japanese patent document 1974-32912/B/	290910	Japanese patent document 1975-13999/B/	281784	Japanese patent document 1975-22680/B/
281676	Japanese patent document 1974-32915/B/	281545	Japanese patent document 1975-14306/B/	281822	Japanese patent document 1975-23117/B/
281733	Japanese patent document 1974-35680/B/	281803	Japanese patent document 1975-14319/B/	284086	Japanese patent document 1975-23118/B/
281666	Japanese patent document 1974-36200/B/	281743	Japanese patent document 1975-14320/B/	281791	Japanese patent document 1975-23119/B/
282423	Japanese patent document 1974-43830/B/	284150	Japanese patent document 1975-14552/B/	281792	Japanese patent document 1975-23477/B/
281451	Japanese patent document 1974-44835/B/	281865	Japanese patent document 1975-14553/B/	284199	Japanese patent document 1975-23478/B/
284100	Japanese patent document 1974-44838/B/	281864	Japanese patent document 1975-14554/B/	281739	Japanese patent document 1975-23479/B/
281607	Japanese patent document 1974-44839/B/	284307	Japanese patent document 1975-14715/B/	281787	Japanese patent document 1975-23632/B/
281573	Japanese patent document 1974-46039/B/	281821	Japanese patent document 1975-14716/B/	283969	Japanese patent document 1975-23835/B/
281619	Japanese patent document 1974-46353/B/	281815	Japanese patent document 1975-14717/B/	281550	Japanese patent document 1975-25317/B/
283933	Japanese patent document 1974-46832/B/	281752	Japanese patent document 1975-14718/B/	281606	Japanese patent document 1975-25352/B/
281440	Japanese patent document 1974-46833/B/	281807	Japanese patent document 1975-14719/B/	281916	Japanese patent document 1975-25461/B/
283934	Japanese patent document 1974-47236/B/	281686	Japanese patent document 1975-14720/B/	289452	Japanese patent document 1975-25507/B/
281819	Japanese patent document 1974-47237/B/	281679	Japanese patent document 1975-14960/B/	283979	Japanese patent document 1975-25508/B/
281691	Japanese patent document 1974-47240/B/	281661	Japanese patent document 1975-15204/B/	283980	Japanese patent document 1975-25593/B/
281809	Japanese patent document 1974-47465/B/	281547	Japanese patent document 1975-15594/B/	281689	Japanese patent document 1975-25594/B/
284316	Japanese patent document 1974-47716/B/	281881	Japanese patent document 1975-15597/B/	281781	Japanese patent document 1975-25597/B/
282406	Japanese patent document 1974-47876/B/	281478	Japanese patent document 1975-15957/B/	281601	Japanese patent document 1975-25598/B/
284282	Japanese patent document 1974-47957/B/	284135	Japanese patent document 1975-15958/B/	281579	Japanese patent document 1975-25599/B/
281678	Japanese patent document 1974-48919/B/	301838	Japanese patent document 1975-15959/B/	281610	Japanese patent document 1975-25600/B/
284092	Japanese patent document 1974-48920/B/	281712	Japanese patent document 1975-15960/B/	281580	Japanese patent document 1975-25833/B/
281572	Japanese patent document 1974-49351/B/	281722	Japanese patent document 1975-16289/B/	281872	Japanese patent document 1975-26000/B/
281680	Japanese patent document 1974-49358/B/	281552	Japanese patent document 1975-16354/B/	280854	Japanese patent document 1975-26715/B/
281566	Japanese patent document 1974-49359/B/	283147	Japanese patent document 1975-16544/B/	281630	Japanese patent document 1975-26716/B/
281568	Japanese patent document 1974-49360/B/	281435	Japanese patent document 1975-16952/B/	281622	Japanese patent document 1975-26718/B/
281570	Japanese patent document 1975-10333/B/	284054	Japanese patent document 1975-17159/B/	281611	Japanese patent document 1975-26720/B/
284322	Japanese patent document 1975-10346/B/	284356	Japanese patent document 1975-17278/B/	281600	*Japanese patent document 1975-27000/A/
283984	Japanese patent document 1975-10627/B/	284276	Japanese patent document 1975-17427/B/	307528	Japanese patent document 1975-27151/B/
283976	Japanese patent document 1975-10672/B/	281668	Japanese patent document 1975-17640/B/	296795	Japanese patent document 1975-27153/B/
281716	Japanese patent document 1975-11026/B/	281692	Japanese patent document 1975-17832/B/	281690	Japanese patent document 1975-27504/B/
281745	Japanese patent document 1975-11027/B/	284256	Japanese patent document 1975-18489/B/	289449	Japanese patent document 1975-27552/B/
284128	Japanese patent document 1975-11028/B/	283986	Japanese patent document 1975-18558/B/	281004	Japanese patent document 1975-27553/B/



283896				307126				313175			
Japanese	patent document	1975-27554/B/		*Japanese	patent document	1976-65295/A/		*Japanese	patent document	1976 79895/A/	
283885				307423				313047			
Japanese	patent document	1975-27555/B/		*Japanese	patent document	1976-66995/A/		*Japanese	patent document	1976 79896/A/	
284049				307214				313227			
Japanese	patent document	1975-27556/B/		*Japanese	patent document	1976-66996/A/		*Japanese	patent document	1976 79897/A/	
281618				313231				313203			
Japanese	patent document	1975-27557/B/		*Japanese	patent document	1976-66997/A/		*Japanese	patent document	1976 79899/A/	
281617				313187				312947			
Japanese	patent document	1975-27558/B/		*Japanese	patent document	1976-66998/A/		*Japanese	patent document	1976 81191/A/	
281616				313380				313382			
Japanese	patent document	1975-27559/B/		*Japanese	patent document	1976-66999/A/		*Japanese	patent document	1976 81292/A/	
284039				312944				313255			
Japanese	patent document	1975-28273/B/		*Japanese	patent document	1976-67897/A/		*Japanese	patent document	1976 81293/A/	
284315				313205				313219			
Japanese	patent document	1975-29736/B/		*Japanese	patent document	1976-67898/A/		*Japanese	patent document	1976 81294/A/	
283978				313234				313158			
Japanese	patent document	1975-29867/B/		*Japanese	patent document	1976-67899/A/		*Japanese	patent document	1976 81296/A/	
283975				312954				313209			
*Japanese	patent document	1975-29992/A/		*Japanese	patent document	1976-69790/A/		*Japanese	patent document	1976 81297/A/	
307135				311743				313256			
*Japanese	patent document	1975-29993/A/		*Japanese	patent document	1976 69791/A/		*Japanese	patent document	1976 81299/A/	
307137				311744				311701			
*Japanese	patent document	1975-29996/A/		*Japanese	patent document	1976 69797/A/		*Japanese	patent document	1976 81300/A/	
307052				313239				313558			
*Japanese	patent document	1975-29999/A/		*Japanese	patent document	1976-69798/A/		*Japanese	patent document	1976 82890/A/	
306835				312937				313224			
*Japanese	patent document	1975-30000/A/		*Japanese	patent document	1976-69799/A/		*Japanese	patent document	1976 82891/A/	
307331				313552				313217			
Japanese	patent document	1975-30229/B/		*Japanese	patent document	1976-71487/A/		*Japanese	patent document	1976 82893/A/	
284129				313178				313229			
Japanese	patent document	1975-30233/B/		*Japanese	patent document	1976-71488/A/		*Japanese	patent document	1976 82894/A/	
284067				313212				313216			
Japanese	patent document	1975-30234/B/		*Japanese	patent document	1976-71490/A/		*Japanese	patent document	1976 82895/A/	
284131				313241				311795			
Japanese	patent document	1975-30237/B/		*Japanese	patent document	1976-71491/A/		*Japanese	patent document	1976 82896/A/	
284130				313235				313207			
Japanese	patent document	1975-30655/B/		*Japanese	patent document	1976-71492/A/		*Japanese	patent document	1976 82897/A/	
283985				313515				313206			
Japanese	patent document	1975-30656/B/		*Japanese	patent document	1976-71493/A/		*Japanese	patent document	1976 82899/A/	
283972				313228				313064			
Japanese	patent document	1975-30797/B/		*Japanese	patent document	1976-71494/A/		*Japanese	patent document	1976 82900/A/	
284105				313381				313045			
Japanese	patent document	1975-30798/B/		*Japanese	patent document	1976-71495/A/		*Japanese	patent document	1976 83995/A/	
283966				313363				313173			
Japanese	patent document	1975-30799/B/		*Japanese	patent document	1976-71499/A/		*Japanese	patent document	1976 83998/A/	
281624				313041				313220			
Japanese	patent document	1975-31126/B/		*Japanese	patent document	1976-72891/A/		*Japanese	patent document	1976 84000/A/	
280812				313210				311750			
*Japanese	patent document	1975-31297/A/		*Japanese	patent document	1976-72892/A/		*Japanese	patent document	1976 85091/A/	
306645				313172				313368			
Japanese	patent document	1975-31852/B/		*Japanese	patent document	1976-72893/A/		*Japanese	patent document	1976 85092/A/	
284219				313233				313238			
Japanese	patent document	1975-32051/B/		*Japanese	patent document	1976-72894/A/		*Japanese	patent document	1976 86692/A/	
284008				307055				313232			
Japanese	patent document	1975-32397/B/		*Japanese	patent document	1976-72895/A/		*Japanese	patent document	1976 86693/A/	
290729				313237				313160			
Japanese	patent document	1975-32554/B/		*Japanese	patent document	1976-72897/A/		*Japanese	patent document	1976 87699/A/	
283987				313379				312936			
Japanese	patent document	1975-32920/B/		*Japanese	patent document	1976-72898/A/		*Japanese	patent document	1976 89097/A/	
284121				313196				313191			
Japanese	patent document	1975-33989/B/		*Japanese	patent document	1976-72899/A/		*Japanese	patent document	1976 89098/A/	
290400				313250				311705			
Japanese	patent document	1975-34197/B/		*Japanese	patent document	1976-72900/A/		Netherlands	patent document	7411831/A/	
284142				313556				287678			
Japanese	patent document	1975-34711/B/		*Japanese	patent document	1976 74196/A/		Netherlands	patent document	7415526/A/	
281710				313208				295473			
Japanese	patent document	1975-35200/B/		*Japanese	patent document	1976-74197/A/		Netherlands	patent document	7500450/A/	
283245				313240				287570			
Japanese	patent document	1975-35636/B/		*Japanese	patent document	1976-74198/A/		Netherlands	patent document	7500616/A/	
284149				313174				287150			
Japanese	patent document	1975-36258/B/		*Japanese	patent document	1976 75890/A/		Netherlands	patent document	7502072/A/	
283973				313245				293518			
*Japanese	patent document	1975-36900/A/		*Japanese	patent document	1976-75891/A/		Netherlands	patent document	7502460/A/	
312252				313364				292525			
Japanese	patent document	1975-38126/B/		*Japanese	patent document	1976-75893/A/		Netherlands	patent document	7502971/A/	
283983				313213				292992			
Japanese	patent document	1975-38635/B/		*Japanese	patent document	1976 75894/A/		Netherlands	patent document	7503177/A/	
284017				313192				293919			
Japanese	patent document	1975-38654/B/		*Japanese	patent document	1976 75895/A/		Netherlands	patent document	7503862/A/	
280815				313370				293916			
Japanese	patent document	1975-39076/B/		*Japanese	patent document	1976 75896/A/		Netherlands	patent document	7504835/A/	
284181				311700				301578			
Japanese	patent document	1975-39799/B/		*Japanese	patent document	1976 75897/A/		Netherlands	patent document	7504876/A/	
281727				312938				301930			
*Japanese	patent document	1975-40997/A/		*Japanese	patent document	1976-75899/A/		Netherlands	patent document	7505659/A/	
304428				312939				301710			
*Japanese	patent document	1975-43391/A/		*Japanese	patent document	1976-75900/A/		Netherlands	patent document	7507594-A/	
307033				312997				306738			
*Japanese	patent document	1976-64192/A/		*Japanese	patent document	1976-77795/A/		Netherlands	patent document	7507831-A/	
307038				313369				313460			
*Japanese	patent document	1976-64193/A/		*Japanese	patent document	1976-77796/A/		Netherlands	patent document	7510303-A/	
306997				311746				293742			
*Japanese	patent document	1976-64197/A/		*Japanese	patent document	1976-77797/A/		Netherlands	patent document	7510464-A/	
304412				311745				286504			
*Japanese	patent document	1976-64198/A/		*Japanese	patent document	1976-77798/A/		Netherlands	patent document	7510474-A/	
307216				312940				301295			
*Japanese	patent document	1976-64199/A/		*Japanese	patent document	1976-77799/A/		Netherlands	patent document	7510739-A/	
307533				313068				293743			
*Japanese	patent document	1976-65294/A/		*Japanese	patent document	1976-79894/A/		Netherlands	patent document	7510857-A/	





US Patent 3,953,617 308412  
 US Patent 3,953,731 283915  
 US Patent 3,953,789 280508  
 US Patent 3,953,922 299447  
 US Patent 3,954,559 284221  
 US Patent 3,954,560 284114  
 US Patent 3,954,654 280840  
 US Patent 3,954,655 306046  
 US Patent 3,954,661 307526  
 US Patent 3,955,090 281427  
 US Patent 3,955,091 297280  
 US Patent 3,955,093 306641  
 US Patent 3,955,118 291225  
 US Patent 3,955,753 299455  
 US Patent 3,955,757 299460  
 US Patent 3,955,943 299313  
 US Patent 3,956,062 307006  
 US Patent 3,956,063 307259  
 US Patent 3,957,496 295893  
 US Patent 3,957,575 307245  
 US Patent 3,957,576 284209  
 US Patent 3,957,577 307057  
 US Patent 3,957,605 280752  
 US Patent 3,957,676 307515  
 US Patent 3,957,918 283156  
 US Patent 3,957,945 306636  
 US Patent 3,958,079 307384  
 US Patent 3,958,096 299359  
 US Patent 3,958,699 306991  
 US Patent 3,958,948 305784  
 US Patent 3,959,069 307024  
 US Patent 3,959,070 307010  
 US Patent 3,959,071 284125  
 US Patent 3,959,072 284126  
 US Patent 3,959,101 286319  
 US Patent 3,959,172 301998  
 US Patent 3,959,212 281032  
 US Patent 3,959,455 305642  
 US Patent 3,959,647 290398  
 US Patent 3,959,649 281429  
 US Patent 3,959,652 296309  
 US Patent 3,959,653 290903  
 US Patent 3,959,710 308312  
 US Patent 3,960,655 307229  
 US Patent 3,960,656 284182  
 US Patent 3,960,994 307184  
 US Patent 3,961,027 281960  
 US Patent 3,961,123 281030  
 US Patent 3,961,197 299316  
 US Patent 3,961,917 299308  
 US Patent 3,962,032 284207  
 US Patent 3,962,078 281963  
 US Patent 3,962,082 299458  
 US Patent 3,962,114 307510  
 US Patent 3,962,401 280851  
 US Patent 3,963,425 293024  
 US Patent 3,963,460 290996  
 US Patent 3,963,563 287309  
 US Patent 3,963,564 287534  
 US Patent 3,963,565 287308  
 US Patent 3,963,566 287451  
 US Patent 3,963,626 298669  
 US Patent 3,963,798 289766  
 US Patent 3,963,828 292969  
 US Patent 3,963,921 299290  
 US Patent 3,963,934 290505  
 US Patent 3,963,935 290484  
 US Patent 3,963,936 306988  
 US Patent 3,964,667 298516  
 US Patent 3,964,887 287359  
 US Patent 3,964,890 287318  
 US Patent 3,964,964 307248  
 US Patent 3,964,965 287511  
 US Patent 3,964,966 307269  
 US Patent 3,964,967 307025  
 US Patent 3,964,969 307232  
 US Patent 3,964,997 292686  
 US Patent 3,965,237 305794  
 US Patent 3,965,238 289503  
 US Patent 3,965,250 298245  
 US Patent 3,965,351 295224  
 US Patent 3,965,357 281632  
 US Patent 3,965,359 281445  
 US Patent 3,965,434 290494  
 US Patent 3,965,471 290959  
 US Patent 3,965,648 287459  
 US Patent 3,965,753 290933  
 US Patent 3,965,757 287464  
 US Patent 3,966,547 290366  
 US Patent 3,966,548 287515  
 US Patent 3,966,549 287514  
 US Patent 3,966,550 287490  
 US Patent 3,966,872 295597  
 US Patent 3,966,873 289495  
 US Patent 3,967,120 283961  
 US Patent 3,967,122 283960  
 US Patent 3,967,129 290957  
 US Patent 3,967,215 284965  
 US Patent 3,967,591 287561  
 US Patent 3,967,676 290626

US Patent 3,967,741 287360  
 US Patent 3,968,373 290510  
 US Patent 3,968,376 290508  
 US Patent 3,968,377 290488  
 US Patent 3,968,378 290511  
 US Patent 3,968,653 284210  
 US Patent 3,969,185 281695  
 US Patent 3,969,186 281698  
 US Patent 3,969,187 281725  
 US Patent 3,969,194 291020  
 US Patent 3,969,204 290362  
 US Patent 3,969,477 289498  
 US Patent 3,969,478 289167  
 US Patent 3,969,484 289150  
 US Patent 3,969,630 293602  
 US Patent 3,969,646 290509  
 US Patent 3,970,517 281470  
 US Patent 3,970,561 295387  
 US Patent 3,970,580 293008  
 US Patent 3,970,581 289497  
 US Patent 3,970,583 296608  
 US Patent 3,970,849 295110  
 US Patent 3,970,852 290918  
 US Patent 3,970,855 284062  
 US Patent 3,970,892 304248  
 US Patent 3,971,172 301805  
 US Patent 3,971,131 310744  
 US Patent 3,973,402 301738  
 US Patent 3,973,554 299242  
 US Patent 3,973,878 293650  
 US Patent 3,973,926 293557  
 US Patent 3,974,027 293812  
 US Patent 3,974,029 301819  
 US Patent 3,974,043 293025  
 US Patent 3,974,048 293551  
 US Patent 3,974,053 292618  
 US Patent 3,974,088 299315  
 US Patent 3,974,322 299329  
 US Patent 3,974,390 293548  
 US Patent 3,975,170 293759  
 US Patent 3,975,249 292628  
 US Patent 3,975,471 293835  
 US Patent 3,975,511 306322  
 US Patent 3,975,638 307406  
 US Patent 3,975,639 307352  
 US Patent 3,975,640 307381  
 US Patent 3,975,641 306697  
 US Patent 3,975,949 293806  
 US Patent 3,976,051 293908  
 US Patent 3,976,541 301816  
 US Patent 3,976,542 293830  
 US Patent 3,976,552 292597  
 US Patent 3,976,748 292392  
 US Patent 3,976,749 293006  
 US Patent 3,976,750 289504  
 US Patent 3,976,762 305656  
 US Patent 3,976,834 293458  
 US Patent 3,976,878 293118  
 US Patent 3,976,879 293609  
 US Patent 3,976,905 293929  
 US Patent 3,976,938 293641  
 US Patent 3,976,950 306773  
 US Patent 3,977,808 299713  
 US Patent 3,977,939 299698  
 US Patent 3,977,940 299699  
 US Patent 3,978,194 298402  
 US Patent 3,979,257 299655  
 US Patent 3,979,258 299661  
 US Patent 3,979,300 296633  
 US Patent 3,979,426 305677  
 US Patent 3,979,503 306638  
 US Patent 3,979,866 299734  
 US Patent 3,979,936 299642  
 US Patent 3,980,188 299471  
 US Patent 3,980,468 295654  
 US Patent 3,980,473 295617  
 US Patent 3,980,502 299331  
 US Patent 3,980,503 299332  
 US Patent 3,980,568 306699  
 US Patent 3,980,750 295581  
 US Patent 3,980,757 295582  
 US Patent 3,980,886 311186  
 US Patent 3,981,598 299779  
 US Patent 3,981,696 296598  
 US Patent 3,981,722 295653  
 US Patent 3,981,750 299337  
 US Patent 3,981,805 299328  
 US Patent 3,981,960 295578  
 US Patent 3,981,961 295575  
 US Patent 3,981,977 299302  
 US Patent 3,982,131 307408  
 US Patent 3,982,133 307417  
 US Patent 3,982,134 310798  
 US Patent 3,982,911 295907  
 US Patent 3,983,019 295264  
 US Patent 3,983,226 299303  
 US Patent 3,983,394 296960  
 US Patent 3,983,717 313149  
 US Patent 3,984,258 312981  
 US Patent 3,984,684 310925

US Patent 3,984,689 313413  
 US Patent 3,985,514 310021  
 US Patent 3,985,844 310999  
 US Patent 3,986,343 310639  
 PB  
 PB - 231665 37/SL 306418  
 PB - 241732 284290  
 PB - 241757 281387  
 PB - 241920 306488  
 PB - 242150 299207  
 PB - 242415 306436  
 PB - 242983 289802  
 PB - 243219 306458  
 PB - 243256 289844  
 PB - 243568 291101  
 PB - 243595 307601  
 PB - 243636 289874  
 PB - 243660 307596  
 PB - 243805 291102  
 PB - 243871/1ST 299452  
 PB - 243943 8ST 299673  
 PB - 244155 283668  
 PB - 244156 282799  
 PB - 244164 283655  
 PB - 244432 284111  
 PB - 244481 283990  
 PB - 244482 283991  
 PB - 244483 283992  
 PB - 244649  
 See EPR1 SR - 14  
 PB - 244664 299203  
 PB - 244781 283641  
 PB - 244793 283062  
 PB - 244891 282433  
 PB - 244920 283494  
 PB - 244998 283857  
 PB - 245044 283649  
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 PB - 245406 305556  
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 PB - 245725 296800  
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 PB - 245793 306409  
 PB - 245831 307635  
 PB - 245839 306264  
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 PB - 245996 307076  
 PB - 245999 306943  
 PB - 246054 307100  
 PB - 246095 296213  
 PB - 246174 306258  
 PB - 246223 306292  
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 PB - 246225 306248  
 PB - 246226 306249  
 PB - 246227 306250  
 PB - 246228 306251  
 PB - 246250 310584  
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 PB - 246253 306973  
 PB - 246254 306974  
 PB - 246255 299561  
 PB - 246256 306982  
 PB - 246268 307034  
 PB - 246269 307022  
 PB - 246270 307041  
 PB - 246318 296069  
 PB - 246336 306293  
 PB - 246384 296618  
 PB - 246642 306245  
 PB - 246645 299688  
 PB - 246714 297245  
 PB - 246715 306667  
 PB - 246722 306195  
 PB - 246837 312688  
 PB - 246933 294522  
 PB - 247137 373 1 SL 294533  
 PB - 247137 373 2 SL 294534  
 PB - 247137 374 1 SL 294535  
 PB - 247137 375 1 SL 304729  
 PB - 247137 375 2 SL 304730  
 PB - 247137 376 1 SL 297654  
 PB - 247137 376 2 SL 297655  
 PB - 247137 377 1 SL 297656  
 PB - 247137 377 2 SL 297657  
 PB - 247137 378 1 SL 297658  
 PB - 247137 378 2 SL 297659  
 PB - 247137 378 3 SL 297680  
 PB - 247179 306694  
 PB - 247220 307059  
 PB - 247269 304327  
 PB - 247272 296140  
 PB - 247282 310160  
 PB - 247323 307009

PB-247387 307496  
PB-247511 307242  
PB-247518 307098  
PB-247519 297713  
PB-247611 306514  
PB-247725 296508  
PB-247758 306588  
PB-247783 299199  
PB-247784 299174  
PB-247791 305806  
PB-247804 306444  
PB-247890 306630  
PB-247899 306240  
PB-247916-50 SL 298790  
PB-247916-51 SL 297564  
PB-247916-52 SL 304623  
PB-248171 307396  
PB-248256 306299  
PB-248286 305543  
PB-248318 299214  
PB-248319 306439  
PB-248321 304477  
PB-248322 304371  
PB-248327 306566  
PB-248330 306497  
PB-248408 306093  
PB-248460 306568  
PB-248540 307016  
PB-248628 306564  
PB-248665 306515  
PB-248916 306691  
PB-248982 307308  
PB-248990 306702  
PB-249017 299685  
PB-249041 305810  
PB-249255 309703  
PB-249541 305009  
PB-249545 307405  
PB-249588 306110  
PB-249621 306374  
PB-249622 307103  
PB-249623 299727  
PB-249624 299200  
PB-249754 306160  
PB-250381 310946  
PB-250428 306265  
PB-250569 310936  
PB-250615 306049  
PB-250675 306408  
PB-250725 299383  
PB-250729 306399  
PB-250753 306397  
PB-250764 306955  
PB-250797 306044  
PB-250830 298609  
PB-250952 299608  
PB-251105 306423  
PB-251107 306045  
PB-251122 298711  
PB-251137 307342  
PB-251244 306078  
PB-251269 297255  
PB-251294 306457  
PB-251312 306079  
PB-251343 307085  
PB-251432 299156  
PB-251443 307128  
PB-251470 306417  
PB-251491 307341  
PB-251497 299793  
PB-251543 305585  
PB-251587 301424  
PB-251717 307124  
PB-251718 307169  
PB-251743 306579  
PB-251915 307068  
PB-252008 306550  
PB-252175 301439  
PB-252176 301358  
PB-252179 306267  
PB-252190 305595  
PB-252210 305900  
PB-252227 307110  
PB-252244 306071  
PB-252358 298652  
PB-252359 305936  
PB-252406 307129  
PB-252457 301386  
PB-252593 299839  
PB-252594 299476  
PB-252595 305956  
PB-252596 305947  
PB-252600 307607  
PB-252645 311320  
PB-252670 306594  
PB-252687 304175  
PB-252749 299213  
PB-253054 306141  
PB-253325 310583  
PB-253482 309709

PCCF  
PCCF-76-4 302195  
PCCF-76-5 312092  
PCCF-76-6 301918  
PCCF-76-7 301903  
  
PEL  
PEL-248 302894  
PEL-284 303307  
  
PEM  
PEM-52 297018  
  
PER  
PER-5 309619  
PER-7 310487  
PER-8 302615  
  
PHR  
PHR-001  
See PPP1-1275  
  
PIFR  
PIFR-863 288172  
  
PNCJ  
PNCJ-213 75 01 280303  
PNCJ-225 76 02 305730  
PNCJ-259 76 01 301025  
PNCJ-260 75 05 313449  
PNCJ-261 75 01 283396  
PNCJ-265 75 01 280745  
  
PNCN  
PNCN-241 76 14 313177  
PNCN-251-74 25 281812  
PNCN-251 75 14 281811  
PNCN-941 75 11 280550  
PNCN-941 75 18 280567  
PNCN-941 75 44 280565  
PNCN-941 75 46 281823  
PNCN-941 75 59 281642  
PNCN-941 75 61 280822  
PNCN-941 75 70 301865  
PNCN-941 75 83 281785  
PNCN-941 75 84 281940  
PNCN-941 75 113 301028  
PNCN-942 75 01 280618  
PNCN-943 75 03 281804  
PNCN-943 75 04 281801  
PNCN-943 75 05 281796  
PNCN-952 75 02 281864  
PNCN-952 76 06 313610  
  
PNCT  
PNCT-841 75 06 284124  
PNCT-841 75 37 306649  
PNCT-841 76 13 301062  
PNCT-842 75 05 280842  
  
PNER  
PNER-67(Rev 1)  
See NVO-174(Rev 1)  
  
PNE RB  
PNE RB-77 296458  
  
PNE WW  
PNE WW-41 313037  
  
PP  
\*PP-77 094 302289  
  
PPG  
PPG-245  
See N-76 16006  
  
PPGM  
PPGM-181 75 295216  
PPGM-182 75 300812  
PPGM-184 75 301618  
PPGM-185 75 295372  
PPGM-186 75 295173  
  
PPPL  
PPPL-1275 308491  
PPPL-1276 297522  
PPPL-1277 304338  
PPPL-1278 294496  
PPPL-1279 308428  
PPPL-1282 294474  
PPPL-1283 308124  
PPPL-1284 304520  
PPPL-1285 297420  
PPPL-1286 291453  
PPPL-1287 311642  
PPPL-1288 297406  
PPPL-1289 294457  
PPPL-1290 308286  
PPPL-1291 297461

PPPL-1292 294398  
PPPL-1293 297447  
PPPL-1295 294472  
PPPL-1296 308289  
PPPL-1297 308399  
PPPL-1298 311785  
PPPL-1299 297526  
PPPL-1301 304362  
PPPL-1303 304411  
PPPL-1304 308390  
PPPL-1305 304439  
PPPL-1306 304351  
PPPL-1307 304336  
PPPL-1308 304337  
PPPL-1309 311699  
  
PR  
PR-73  
See PR-246095  
PR-747  
See N-75 28598  
PR-1119R  
See ORNL Sub-29114  
  
PRB  
PRB-109  
See AIC1-5540  
PRB-110  
See AIC1-5602  
  
PRCMA  
PRCMA-16  
See AIC1-5511  
PRCMA-17  
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